PROBING LOGS FOR "AREA 3"

PORTSMOUTH HER.

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. S-4 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N 10/6/83 Hammer Wt. 300# Probe Started 10:25 Elevation +8.75' of Water Surface M.L.W. Hammer 18" Probe Elevation Top of Probe ___-43.75' Completed M.L.W. R. Seymour M.L.W. Elevation Top of Refusal ----Drilled by Soil Exploration Corp -43.751 Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** Lowered rods and probe to 43.75 Clean probe & rods upon completion. GENERAL REMARKS

	OF ENGINEERS AND DIVISION OG OF TEST PR	S-5	sig. <u>S-5</u> Diam.Probe ROD _{AW-1} E 10/6/83
Elevation T	op of Probe	-33.0' M.L.W. Dril	mer Wt. 300# Probe Started 10: ner Probe cop 18" Completed 10: R. Seymour led by Soil Exploration Comp Des.Drill ACKER ACE
Total Depth Depth 1"= 5'	of Probe Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2' =	4 3	Soft	Clean probe & rods
		Refusal at -35.0' 50/0"	

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Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. S-6 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION E FIELD LOG OF TEST PROBE Coordinates: N ____ 10/6/83 Hammer Wt. 300# Probe Started 9:10 Elevation +6.25' of Water Surface M.L.W. Hammer Drop 18" Completed _ 9:15 Elevation Top of Probe -23.75' M.L.W. R. Seymour Elevation Top of Refusal -24.75' M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill _ACKER ACE Elevation Bottom of Probe _-24.75' Total Depth of Probe __ Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** Very stiff to hard Clean probe & rods upon 29 completion. Refusal at -24.75' 50/0" GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. s-7 Diam. Probe ROD_AU-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N 10/4/83 Hammer Wt. 300# Probe Started 12:40 +5.5' of Water Surface M.L.W. Elevation Hammer 18" Probe Elevation Top of Probe -14.0! Completed M.L.W. R. Seymour Elevation Top of Refusal __17_0' MILIW. Drilled by Soil Exploration Corp Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe =17.01 Inspected by: Peter Beblowski Total Depth of Probe Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 20 62 Clean probe & rods 71 Refusal at -17.0' 50/0" GENERAL REMARKS

NE	ORPS O W ENGL	. ARMY F ENGINEERS AND DIVISION G OF TEST PR			F <u>P-83-</u> S-8	Des	oor N.H.& ME Page 1 of 1 Pages sig. S-8 Diam.Probe ROD_AU_1 3/4	• '' D
Eleva: Eleva: Eleva: Eleva:	tion_ tion T tion B	+4.5' of Wa op of Probe op of Refusa ottom of Pro of Probe	-14 -16	rface M.L. .o' M.L. .o' M.L.	W. W. W.	Hamma Hamma Dro Dril'	Soil Exploration Corp. led by R. Seymour Des.Drill ACKER ACE	•
Dept		Blows Per Foot		PROBING OPERATION		THSP	CLASSIFICATION OF MATERIALS	
	2'	4 21	Soft t	o stiff			Clean probe & rods	<u>-</u>
			Ref	Fusal t -16	5.0' 50			
GENERA	L REMA	RKS						

Site Portsmouth Harbor N.H.& ME Page 1 of Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. S-9 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION ∴ E__ FIELD LOG OF TEST PROBE Coordinates: N Hammer Wt. 300# Probe Started 1:30 Elevation +3 n! of Water Surface M.L.W. Hammer 18" Probe 1:35 Completed Elevation Top of Probe -13.0' M.L.W. R. Seymour Elevation Top of Refusal <u>-16.0'</u> M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe -16.0' Total Depth of Probe 31 Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 9 29 Stiff to very stiff Clean probe & rods 30 Refusal at -16.0' 50/0" GENERAL REMARKS

	ORPS 0	ARMY F ENGINEERS	•	1				or N.H.& ME Page 1 of 1 Pages	
l					S-1	LO	ig <u>S-10</u> Diam.Probe ROD_ <u>AW-1 3/</u>	4''D	
FI	ELD LO	G OF TEST PR	OBE	Coor	dinates	:	N	∴ E	
Eleva	tion_	+4.5' of Wa	ter Su	rface	M.L.W.		Hamm Hamm	er Wt. 300# Probe Started 12:40	
Eleva	tion T	op of Probe	-12	1.5'	M.L.W.		Dro	op <u>18"</u> Completed <u>1:05</u>	
Eleva	tion T	op of Refusa]1	7.01	MILIW.		Dril	D. Campbell led by Soil Exploration Comp	
Eleva	tion B	otiom of Pro	be <u>-1</u>	7.01	- W 1 1.1		Mfg.	Des.Drill ACKER ACE	
Total	Depth	of Probe	5.	5!	Feet ^W .		Insp	ected by: Peter Beblowski	•
Dep1	th 5'	Blows Per Foot		PROBING OPERATIONS			CLASSIFICATION OF MATERIALS		
	_	26		stif	f				_
		40 72	Hard	~					 _
		80 <i>•</i> 78	Very	hard	•			Rods were clean upon	_ _ _
	5.5	40 .						completion of probe	<u>-</u>
	=======================================								_
			Bound	cing	refusal	at	-17.0		_
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Site Portsmouth Harbor N.H.& ME Page 1 of _ Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. S-11 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N ... E_ FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 1:15 Elevation +3.0' of Water Surface M.L.W. Probe Hammer 18" Completed Elevation Top of Probe _14.0' M.L.W. D. Campbell Elevation Top of Refusal__-19.5' M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -19.5' Total Depth of Probe Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 51] "= WOH Soft Med. stiff 7 21 Very stiff Rods were clean upon 55-Very hard completion. very hard Bouncing refusal at -19.\$' GENERAL REMARKS

CORPS ONEW ENGLE FIELD LOEST Elevation Televation Belovation Belov	op of Probe	0BE ter Su -16 1 -22 be -22	Probe No.FP-83- S-12 Coordinates: N rface M.L.W. .o' M.L.W.	Hammi Hammi Dro	er Wt. 300# Probe Started 2:00 Probe	
Depth 1"= 5'	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
6	WOH WOH 14 15 47	Sof Sti Har Bou	ff	-22.	Greenish colored silt, few crushed shells, little fine sand, trace of clay, The following soil just described was observed on O.E. Rod upon completion.	
GENERAL REM	ARKS					

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. S-13 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N 10/11/83 0.0' Hammer Wt. 300# Probe Started_ of Water Surface M.L.W. Elevation Hammer 18" Probe Elevation Top of Probe ___-19.5' Completed M.L.W. R. Seymour Elevation Top of Refusal _26.5' Miliw. Drilled by Soil Exploration Corp. 'Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -26.5' Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 5 HOW WOH Very stiff WOH 1 Stiff Some silt and sand on 11 15 rods & probe. Refusal at -26.5' 50/0" GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PR Elevation o' of Wa Elevation Top of Probe Elevation Top of Refusa Elevation Bottom of Pro	Probe No.FP-83 S-1 OBE Coordinates: ter Surface M.L.W. -23.0' M.L.W. 1 -29.0' M.L.W.	
Total Depth of Probe	CI MIW	Inspected by: Peter Beblowski
Depth Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
WOH WOH WOH 22 27 51 79 11 11 11 11 11 11 11 11 11 11 11 11 11	Med. stiff Very stiff Very hard Refusal at -29.0' 50/0"	Observed on O.E. upon completion green silt, some crushed shells, trace of fine sand.
GENERAL REMARKS		

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Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. S-15 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION ∴ E FIELD LOG OF TEST PROBE Coordinates: N Hammer Wt. 300# Probe Started Elevation +1.0' of Water Surface M.L.W. Hammer 18" Probe 10:40 Completed Elevation Top of Probe -23.5' M.L.W. R. Seymour MILIW. Elevation Top of Refusal -29.5' Drilled by Soil Exploration Corp Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe -29.5' Total Depth of Probe ____6' Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** -HOH-WOH Very soft WOH 10 Stiff to very stiff Some silt and sand 11 24 . on probe 28 Refusal at -29.5' 50/0" GENERAL REMARKS

CORPS (NEW ENGI	S. ARMY OF ENGINEERS AND DIVISION		Probe No.F <u>P-83</u>	Des	or N.H.& ME Page 1 of 1 Pages ig. S-16 Diam.Probe ROD_AW-1 3/	i
FIELD LO	OG OF TEST PR	.0BE	Coordinates:	N	∴ E	
Elevation 1		-20.0	rface M.L.W. M.L.W. M.L.W.	Hamme Dre	er Wt. 300# Probe Started 10:00 er Probe cp 18" Completed 10:15 Soil Exploration Corp led by D. Campbell	
1	Bottom of Pro				Des.Drill ACKER ACE ected by: Peter Beblowski	
Depth 1"= 5'	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
10'	WOH 1 WOH 1: 6 17 26 37 22 20 26 25 21 31 62	Very Hard Very Hard Very	stiff stiff stiff stiff		Rods were clean upon completion.	
GENERAL REM	ARKS					_
					·	

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PR Elevation +9.5' of Wa Elevation Top of Probe Elevation Top of Refusa Elevation Bottom of Pro Total Depth of Probe	Probe No.FP_83_ Design ROBE Coordinates: N Reter Surface M.L.W. Hamme Hamme Drope All M.L.W. Drill All M.L.W. Mfg.	Hammer 18" Probe Drop 18" Completed 11:00 R. Seymour Drilled by Soil Exploration Corp. Mfg. Des. Drill ACKER ACE				
Depth Blows Per	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS				
	Lowered probe to -49.5'	Clean probe & rods upon completion.				
GENERAL REMARKS		·				

U. S. ARMY Site Portsmouth Harbor N.H.& ME Page 1 of i Pages] CORPS OF ENGINEERS Probe No.FP-83- Desig. T-5 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION ∴ E FIELD LOG OF TEST PROBE Coordinates: N 10/6/83 Hammer Wt. 300# Probe Started 11:15 +10.00f Water Surface M.L.W. Elevation Hammer 18" Probe Completed Drop Elevation Top of Probe -40.01 M.L.W. R. Seymour Drilled by Soil Exploration Corp. MILIW. Elevation Top of Refusal ----Elevation Bottom of Probe _-40.0' Mfg. Des.Drill ACKER ACE M.L.W. Feet Total Depth of Probe Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 7"= Clean probe & rods Lowered rods to -40.0' upon completion. GENERAL REMARKS

U. S. ARMY Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages CORPS OF ENGINEERS Probe No.FP-83- Desig. T-6 Diam. Probe ROD_AN-1 3/4"D NEW ENGLAND DIVISION ∴ E FIELD LOG OF TEST PROBE Coordinates: N 10/6/83 Hammer Wt. 300# Probe Started 11:35 Elevation +10.0 of Water Surface M.L.W. Hammer 18" Probe Elevation Top of Probe -29.25' Completed Drilled by R. Seymour Soil Exploration Corp. MILIW. Elevation Top of Refusal -31.25' Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe _ M.L.W. Feet 2 1 Total Depth of Probe Inspected by: Peter Beblowski Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 51 3 Clean probe & rods upon Soft to hard 37 completion. Refusal at -31.25' 50/0" GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 'Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-7 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION T-7 Coordinates: N___ FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 11:25 Elevation +R 5! of Water Surface M.L.W. Probe Drop 18" Hammer -11.5 Completed Elevation Top of Probe M.L.W. R. Seymour Elevation Top of Refusal -11.5' Miliw. Drilled by Soil Exploration Corp. Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe-11.5' M.L.W. Feet Inspected by: Peter Beblowski Total Depth of Probe Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 51 Refusal at -11.5' 50/0" Clean probe & rods GENERAL REMARKS

	S. ARMY OF ENGINEERS				or N.H.& ME Page 1 of 1 Pages	1
	SLAND DIVISION	l	Probe No.FP-83		ig. <u>T-8</u> Diam.Probe ROD_AN-1 3	化"D
FIELD L	.OG OF TEST PF	OBE	Coordinates:	N	E 10/4/83	-
Elevation_	+8.75df Wa	ter Su	er Wt. 300# Probe Started 10:5	, , , , , , , , , , , , , , , , , , ,		
1	Top of Probe			Dr	- 1011	1
Elevation	Top of Refusa	1-12	7.251 MILIW.		led by <u>Scil Exploration Corp</u>	١
l	Bottom of Pro		M W		Des.Drill ACKER ACE	┨.
	th of Probe	<u>3'</u>			ected by: <u>Peter Beblowski</u>	╡
Depth 1"= 5'	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
	6 17	Med	l. stiff to hare	i	Clean probe & rods upon completion.	Ē,
31-	39					F
-	· .	Refu	isal at -17.25'	50/0"		E
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GENERAL RE	MARKS			:		
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Site Portsmouth Harbor N.H.& ME Page 1 of j Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig.T-9 Diam.Probe RODAW-1 3/4"D NEW ENGLAND DIVISION E Coordinates: N FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 10:15 Elevation +8.75' of Water Surface M.L.W. Probe Drop 18" Hammer Completed 10:30 Elevation Top of Probe -14.25' M.L.W. R. Seymour Drilled by Soil Exploration Corp. Elevation Top of Refusal M.L.W. 'Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe _-16.25' Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 6 Med. stiff to hard Clean probe & rods upon 39 completion. Refusal at -16.25' 50/0" GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-10 Diam.Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N ∴ E FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 9:50 Elevation +8.5' of Water Surface M.L.W. Probe Hammer 18" 10:00 Completed Drop Elevation Top of Probe -11.75 M.L.W. R. Seymour Elevation Top of Refusal __13.75 M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -13.75' ₩.L.W. Feet Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 5 6 Med. stiff Clean probe & rods upon completion. 9. Refusal at -13.75' 50/0" GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of j Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-11 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION T-11 Coordinates: N FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 8:45 Elevation +8.0' of Water Surface M.L.W. Hammer 18" · Probe Elevation Top of Probe -13.5' Completed M.L.W. R. Seymour Elevation Top of Refusal __19.5 M.L.W. Drilled by Soil Exploration Corp 'Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe __19.5! Inspected by: Peter Beblowski Total Depth of Probe _ Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS**]"= 3 Soft to med. stiff 3 Clean probe & rods 5 49 Hard Refusal at -19.5' 50/0" GENERAL REMARKS

CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N Field Log OF Probe Started 9:10 Hammer Wt. 300# Probe Started 9:10 Hammer Wt. 300# Probe Started 9:10 Frobe Drop 18" Completed 9:30 Frobe Operation Solved by Probe Operation Solved
Elevation Top of Probe
Elevation Top of Probe
Elevation Top of Refusal24_0' M.L.W. Drilled by
Elevation Bottom of Probe
Depth Blows Per Foot OPERATIONS The standard Problem of Materials of Standard Problem of Materials of Standard Problem of Standard Problem of Materials of Mat
1"= 5! Foot OPERATIONS CLASSIFICATION OF MATERIALS 12
12 Very soft 27 32 18 Very stiff to hard 5' Clean probe & rods upon completion.
27 32 18. Very stiff to hard 5'
18. Very stiff to hard 5' Clean probe & rods upon completion.
23 upon completion.
81 64
Refusal at -24.0' 50/0"
GENERAL REMARKS

CORPS ONEW ENGLE FIELD LOES Elevation Televation Televation B	ARMY F ENGINEERS AND DIVISION G OF TEST PR + 751 of Wa op of Probe op of Refusa ottom of Pro	ter Su -15. 1 -23. be -23	Probe Coord rface 25'	No.FP-8 T-13 dinates: M.L.W.	N Hamma Brilling	or N.H.& ME Page 1 of 1 Pages ig. T-13 Diam.Probe ROD_AN-1 3/ E 10/4/83 er Wt. 300# Probe Started 5:15 er Probe Op 18" Completed 5:20 R. Seymoup led by Soil Exploration Corp. Des.Drill ACKER ACE ected by: Peter Beblowski	4''D
Depth 1"= 5'	Blows Per Foot			BING TIONS		CLASSIFICATION OF MATERIALS	
GENERAL REMA	2 2 4 6 7 16 19 21		stiff	to very	stiff	Clean probe & rods	
GENERAL REP	LINIT						

CORP NEW E	S OF ENGLA	ARMY FENGINEERS AND DIVISION		Probe No.FP-8	3_ D es	or N.H.& ME Page 1 of <u>1</u> Pages ig. <u>T-15</u> Diam.Probe ROD _{AW-1} 3/	1
FIELD) [00	G OF TEST PR	UBE	Coordinates:	N	10/4/83	1
		 		rface M.L.W.	Hamme		i
		•		<u>0'</u> M.L.W.	Dro	R. Seymour	
		op of Refusa		•		led by Soil Exploration Corp.	1
		ottom of Pro of Probe		Y L W.		Des.Drill ACKER ACE ected by: Peter Beblowski	<u> </u>
Depth	; •	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
	1	WOH					Ė
	当	MOH	Very	soft			E.
	∄	8 29	•	•			F
51		31	Med.	stiff		Clean probe & rods	F
	目	36 43	Hard			upon completion.	F
8'	3						E
	=		Refu	sal at -30.0'	50/0"		E
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Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-16 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N ∴ E FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 3:35 Elevation -.5' of Water Surface M.L.W. Probe Hammer 18" -23.5 3:45 Completed Drop Elevation Top of Probe M.L.W. R. Seymour Elevation Top of Refusal -32.5' M.L.W. Drilled by Soil Exploration Corp. 'Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -32.5' M.L.W. Feet Inspected by: Peter Beblowski Total Depth of Probe ____ Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 51 Very soft 1 2 9 . 8 Med. stiff to very stiff 21 . 31 39 27 Hard Some silt and sand on probe Refusal at -32.5' 50/0" GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-17 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N 10/4/83 Hammer Wt. 300# Probe Started 3:35 Elevation -0.5' of Water Surface M.L.W. Hammer 18" Probe Elevation Top of Probe __-21.5' Completed M.L.W. D. Campbell Elevation Top of Refusal -24.0' MILIW. Drilled by Soil Exploration Corp. Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe -24.0' M.L.W. Feet 2.51 Total Depth of Probe Inspected by: Peter Beblowski Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1 Soft Med. stiff Rods were clean 42 Very hard Bouncing refusal at -24.0' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of ; Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-18 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 3:15 Elevation o of Water Surface M.L.W. Hammer 18" Probe Comple -191 · Completed M.L.W. Elevation Top of Probe _ D. Campbell -281 M.L.W. Elevation Top of Refusal Drilled by Soil Exploration Corp. Mfg. Des.Drill _ ACKER ACE -281 Elevation Bottom of Probe Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS**] "= Med. stiff 6 8 12 Stiff 32 31 . 35 Hard Rods were clean 42 48 60 Very hard Refusal t -28' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of ; Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-19 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N FIELD LOG OF TEST PROBE 10/5/83 Hammer Wt. 300# Probe Started 8:20 Elevation +6.0' of Water Surface M.L.W. Hammer 18" Probe Completed 8:30 R. Seymour Elevation Top of Refusal ____ -26.25' M.L.W. Drilled by Soil Exploration Corp. 'Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -26.25' M.L.W. Feet Inspected by: Peter Beblowski Total Depth of Probe _ Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot 51 **OPERATIONS** 1"= 6 Med. stiff to stiff 8 11 9 7. Clean probe & rods 26 Very stiff to hard upon completion. 62 Refusal at -26.25' 50/0" GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth	Harbor	N.H.&	ME Page	1 of	<u>r</u> Page	es
Probe No.FP-83-	_ Desig.	T-21	Diam.Pro	be R	00 <u>AW-1</u>	3./4''D
T-20 Coordinates: N		; :	Ε		•	

				_		10/5/83]
Eleva	tion_	+9:75'of Wa	er Wt. 300# Probe Started 10:25 er Probe 18" Completed 10:45	1			
Elevation Top of Probe M.L.W. Dro						op 18 Completed	1
						D. Campbell led by Soil Exploration Corp.	
Elevation Bottom of Probe33.25' Mfg.						Des.Drill ACKER ACE	
. No. 4 10						ected by: <u>Peter Beblowski</u>	ļ.
Depth Blows Pe		Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
		11 12	Stif	f			E
		25	<u> </u>	stiff .			E
		17 8 -	Stif				F
	5 ' -	4		stiff			E
	111	12 11	Stif	f			E
		21	Very	stiff		·	E
	10	35	Hard	1		Rods were clean	E
		47 72	Very	hard			E
	121		R	Refusal at -33	.25'	-	E
		•					F
]						E
				•		_	F
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GENER	AL REM	ARKS					
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Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig.T-22 Diam.Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION T-22 Coordinates: N FIELD LOG OF TEST PROBE 10/5/83 Hammer Wt. 300# Probe Started 9:45 Elevation +9.0' of Water Surface M.L.W. Hammer 18" Probe Completed Elevation Top of Probe -24.5' M.L.W. D. Campbell Elevation Top of Refusal Drilled by Soil Exploration Corp. -40.51 Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe __ Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot 1"= 51 **OPERATIONS** Hard 36 16 25 . Rods were clean 25 26 Very stiff 21 16 21 28 101 31 Hard 33 18 Very stiff 22 154 29 Probe ended at -40.5' GENERAL REMARKS

ATT 1 C. W. F.

Site Portsmouth Harbor N.H.& ME Page 1 of j Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-23 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION T-23 FIELD LOG OF TEST PROBE Coordinates: N 10/5/83 Hammer Wt. 300# Probe Started 9:05 Elevation +8.0' of Water Surface M.L.W. Hammer Probe 18" Completed Drop . Elevation Top of Probe -26.0' M.L.W. D. Campbell Drilled by Soil Exploration Corp. Elevation Top of Refusal -34.0' MILIW. Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -34.01 Total Depth of Probe Inspected by: Peter Beblowski Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 6 Med. stiff boulder #1 3 Soft No soil on rods 14 Rods were clean Boulder #2. 13. 27 Stiff Very hard 60 75 possible boulder Refusal at -34.0' 50/0" GENERAL REMARKS When hammering on rods during probe, they (rods) would penetrate about 1", then bounce back about 0.5" (possibly caused by boulder)

ATTACIBLE ...

CORPS NEW END FIELD I Elevation Elevation Elevation	Top of Probe	106E 1ter Su -2 11 -	Probe No.FP-83 T-24 Coordinates: orface M.L.W. 18.75' M.L.W. M.L.W.	N Hamma Hamma Dril Mfg.	or N.H.& ME Page 1 of 1 Pages ig. T-24 Diam.Probe ROD_AW-1 3/ E 10/5/83 er Wt. 300# Probe Started 8:40 Probe Op 18" Completed 8:50 Soil Exploration Corp. led by D. Campbell Des.Drill ACKER ACE ected by: Peter Beblowski	1
Depth]"= 5'	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
10-	9 14 13 19 28 18 31 20 21 31	Very Haro	stiff ·	.75'	Rods were clean upon completion.	
GENERAL REMARKS						
						1

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-25 Diam.Probe ROD_AU-1 3/4"D NEW ENGLAND DIVISION ∴ E Coordinates: N FIELD LOG OF TEST PROBE 10/5/83 Hammer Wt. 300# Probe Started 2:35 Elevation +3.0' of Water Surface M.L.W. Probe Hammer 18" Completed Elevation Top of Probe -27.0' M.L.W. R. Seymour Elevation Top of Refusal _-33.0' MILIW. Drilled by Soil Exploration Corp Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -33.0' Total Depth of Probe Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 51 7"= -WOH-WOH Very soft HOW WOH 17.15 Clean probe & rods Med. stiff to stiff Refusal at -33' 50/0" GENERAL REMARKS

Sitte Portsmouth Harbor N.H.& ME Page 1 of I Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. T-26 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION T-26 Coordinates: N FIELD LOG OF TEST PROBE 10/5/83 Hammer Wt. 300# Probe Started 3:10 +1.5' of Water Surface M.L.W. Elevation Hammer 18" Probe Elevation Top of Probe -26.5' Completed M.L.W. R. Seymour Elevation Top of Refusal __33.51 M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe _-33.51 Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 51 Soft 4 6 Stiff to very stiff 12 20 . Some silt and sand on probe 23 22 Refusal at -33.5' 50/0" GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION			Probe No.FP-83	Des	or N.H.& ME Page 1 of 1 Pages ig. T-27 Diam.Probe ROD_AW-1 3/4	.''D
FIELD LOG OF TEST PROBE			T- Coordinates:	27 N	E 10/5/83	
Elevation Top	27 1 -3 be3	——— D 1 1.1	Hamme Drill Mfg.	er Wt. 300# Probe Started 3:35	•	
	lows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
5 7'	5 7 12 17 19 29 31	Haro	dusal at -34.0'		Clean probe & rods upon completion.	
GENERAL REMAR	LKS					-

U. S. ARMY Site Portsmouth Harbor N.H.& ME Page 1 of _ Pages] CORPS OF ENGINEERS Probe No.FP-83- Desig. T-28 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION Ε FIELD LOG OF TEST PROBE Coordinates: N 10/5/83 Hammer Wt. 300# Probe Started 3:05 Elevation +1.5' of Water Surface M.L.W. Probe Hammer 18" Elevation Top of Probe -27.5' M.L.W. Completed D. Campbell Elevation Top of Refusal _____ M.L.W. Drilled by _____Soil Exploration Corp Elevation Bottom of Probe _33.51 'Mfg. Des.Drill ACKER ACE Total Depth of Probe 6' Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS 51 Foot 1 "= **OPERATIONS** Stiff 8 Observed green colored silt 18 on O.E. rod upon completion Very stiff 16 of probe. 36 Hard 3i-Very hard 61 72 Refusal at -33.5' GENERAL REMARKS

CORF	CORPS OF ENGINEERS		Probe No.F <u>P-8</u>	<u>3-</u> Des	or N.H.& ME Page 1 of <u>i</u> Pages ig. <u>T-29</u> Diam.Probe ROD _{AW-1} 3/		
FIELD LOG OF TEST PROBE		Coordinates:	-29 N	E 10/5/83			
Elevation	on	o' of Wa	ter Su	rface M.L.W.	Hamn Hamn	er Wt. 300# Probe Started 3:55	
Elevation	on T	op of Probe	-29	Dp 18" Completed 4:05			
						led by Soil Exploration Corp	
i i		ottom of Pro of Probe		W I W		Des.Drill ACKER ACE ected by: Peter Beblowski	
Depth 1"=	5 '	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
		11	St				<u>-</u>
3	,. .	19 31	Ven Han	ry stiff	·	Rods were clean	
			•	mcing refusal	at -32		
GENERAL	REM	l ARKS					-

CORPS NEW ENG FIELD I	S. ARMY OF ENGINEERS GLAND DIVISION LOG OF TEST PF +0.5' of Wa	ter Su	Probe No.FP-8 T-30 Coordinates:	3 Des N		∵D
1	Top of Probe Top of Refusa				D. Campbell led by Soil Exploration Corp.	
Elevation	Bottom of Proth		2.5'	·Mfg.	Des.Drill ACKER ACE ected by: Peter Beblowski	
Depth 1"= 5'	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
31-	7 22 67	Very	stiff stiff hard		Rods were clean	_
I 1 -		Bour	ncing refusal a	at -32.5		
GENERAL RE	EMARKS					

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PR Elevation	Probe No.F <u>p-83-</u> Des U-24 Coordinates: N ter Surface M.L.W. Hamm -33.5' M.L.W. Dril 1 -40.5' M.L.W. Dril be -40.5' Mfg.	or N.H.& ME Page 1 of 1 Pages ig. U-24 Diam.Probe ROD_AW-1 3/4"D E 10/5/83 er Wt. 300# Probe Started 1:20 er Probe op Completed 1:30 R. Seymour led by Soil Exploration Corp. Des.Drill ACKER ACE ected by: Peter Beblowski
Depth Blows Per	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
3 4 7 8 13 5' 1 21 7' 25	Soft Stiff to very stiff	Clean probe & rods
	Probe ended at -40.5'	
GENERAL REMARKS		

U. S. ARMY Site Portsmouth Harbor N.H.& ME Page 1 of i Pages CORPS OF ENGINEERS Probe No.FP-83- Desig. U-25 Diam. Probe ROD_AW-1 3 1/4"D NEW ENGLAND DIVISION Coordinates: N . E FIELD LOG OF TEST PROBE 10/5/83 Hammer Wt. 300# Probe Started 11:3 Elevation +9.5' of Water Surface M.L.W. Probe Drop 18" Hammer Completed 11:5\$ Elevation Top of Probe -33.25' M.L.W. R. Seymour Elevation Top of Refusal M.L.W. Drilled by Soil Exploration Corp. -40.251 'Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe 71 Total Depth of Probe Inspected by: Peter Beblowski Depth Blows Per PROBING CLASSIFICATION OF MATERIALS 1"= 51 Foot **OPERATIONS** 2 12 Very soft 9 . Clean probe & rods 10 upon completion. 21 Stiff to very stiff 29 59 Hard Probe ended at -40.25' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. U-26 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N : E FIELD LOG OF TEST PROBE 10/5/83 Hammer Wt. 300# Probe Started 12:10 Elevation +9.0' of Water Surface M.L.W. Hammer 18" Completed Elevation Top of Probe -33.6' M.L.W. R. Seymour Elevation Top of Refusal -38.0' Miliw. Drilled by Soil Exploration Corp Elevation Bottom of Probe -38.0' 'Mfg. Des.Drill ACKER ACE Inspected by: Peter Beblowski Total Depth of Probe 51 Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot j"= 51 **OPERATIONS** 7 Med. stiff to stiff 12 13 31 Clean probe & rods 63. Hard Refusal at -38.0' 50/0" GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PR Elevation	Probe No.FP-83- U-27 Coordinates: N_ ter Surface M.L.W. H -34.5' M.L.W. 1 -39.5' M.L.W. Debe -39.5'	
Depth Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2 - 21 - 29 - 62 - 94	Soft Hard Very hard	Observed greenish colored silt on O.E. rod upon completion of probe
	Refusal at -39.5'	
GENERAL REMARKS		

FIE Elevat Elevat	DRPS O ENGL ELD LO tion T tion T	ARMY F ENGINEERS AND DIVISION G OF TEST PR -7.5' of Wa op of Probe op of Refusa ottom of Pro	OBE ter Su -34. 138.	Probe No.FP. Coordinates orface M.L.W5' M.L.W.	U-28: N Hamme Hamme Drill	op <u>18"</u> C	robe Starrobe Robe completed Explorat	DD_AW-1 3/4"1 . ted_12:35
Total Dept		of Probe	4	Feet ^W .	Insp	ected by: Pe	•	
1"=		Foot		OPERATIONS		CLASSIFICAT	TON OF MA	EKIALS
	<u>.</u>	8 16 17 29	Med.	. stiff to ve	ry stiff			
			Refu	isal at -38.5	' 50/0"			
GENERA	AL REM	ARKS						
1						1		

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Elevation			Probe No.FP-8 U- Coordinates: Irface M.L.W. 5' M.L.W M.L.W75' W.L.W. Feet	3- Des 29 N Hamm Hamme Dro		
Depth 1"= 5'	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
5'	9 1 WOH 8 57 - 40 53	Hard Very	f · · · hard	÷1.75	Rods were clean	
GENERAL REM	1ARKS		•			
			•			

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. U-30 Diam. Probe ROD_AU-1 3/4"D NEW ENGLAND DIVISION Coordinates: N ... E FIELD LOG OF TEST PROBE 10/5/83 Hammer Wt. 300# Probe Started 12:45 Elevation +7.5' of Water Surface M.L.W. Probe Hammer 18" Elevation Top of Probe ________ M.L.W. Completed D. Campbell MILIW. Elevation Top of Refusal Drilled by ____Sail Exploration Corp Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe -40.5' Total Depth of Probe ____ Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 51] "= Med. stiff WOH Soft Rods were clean 1. Med. stiff 5 Probe ended at -40.5'

GENERAL REMARKS

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Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-6 Diam.Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION E FIELD LOG OF TEST PROBE Coordinates: N___ 10/6/83 Hammer Wt. 300# Probe Started 11:45 Elevation +10.0' of Water Surface M.L.W. Probe Drop 18" Hammer Completed D. Campbell Elevation Top of Refusal --- M.L.W. Drilled by Soil Exploration Corp Elevation Bottom of Probe -49.0' Mfg. Des.Drill ACKER ACE Total Depth of Probe Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS**] "= Probe ended at -49.0' GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PR Elevation	Probe No.FP-83- V-7 Coordinates: N ter Surface M.L.W. -19.5' M.L.W. 1 -19.5' M.L.W.	
Depth Blows Per 1"= Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	Bouncing refusal at	-19,5'
GENERAL REMARKS		

Site Portsmouth Harbor N.H.& ME Page 1 of i Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-9 Diam. Probe ROD_AU-1 3/4"D NEW ENGLAND DIVISION Coordinates: N ∴E FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 10:45 Elevation +8.5' of Water Surface M.L.W. Hammer 18" Probe Completed Elevation Top of Probe --11.25' M.L.W. Drilled by D. Campbell
Soil Exploration Elevation Top of Refusal __-11.25 M.L.W. Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -11.25' M.L.W. Feet Inspected by: Peter Beblowski Total Depth of Probe o" Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 7"= 51 Bouncing refusal at -11.\$' Rods were clean GENERAL REMARKS

U. S. ARMY Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages CORPS OF ENGINEERS Probe No.FP-83- Desig. V-10 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION · E FIELD LOG OF TEST PROBE Coordinates: N 10/4/83 Hammer Wt. 300# Probe Started 10:10 Elevation +8.75 of Water Surface M.L.W. Probe Hammer 18" Completed Elevation Top of Probe -15.25' M.L.W. D. Campbell Elevation Top of Refusal -18.25' MILIW. Drilled by Soil Exploration Corp. Elevation Bottom of Probe -18.25' Mfg. Des.Drill ACKER ACE Total Depth of Probe Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 31 Hard Stiff Rods were clean 15 Very hard 80 Solid refusal at -18.25' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-11 Diam.Probe ROD_AN-1 3/4"D NEW ENGLAND DIVISION ÷Ε FIELD LOG OF TEST PROBE Coordinates: N 10/4/83 Hammer Wt. 300# Probe Started 9:30 Elevation +8.5' of Water Surface M.L.W. Probe Hammer 18" Elevation Top of Probe ______ M.L.W. Completed D. Campbell Elevation Top of Refusal __23.75! M.L.W. Drilled by Soil Exploration Corp Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -23.75' Total Depth of Probe ____1.5' Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** Med. stiff Rods were clean. 1.51 Bouncing refusal at -23.75' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-12 Diam. Probe ROD_AW-1_3/4"D NEW ENGLAND DIVISION V-12 FIELD LOG OF TEST PROBE Coordinates: N 10/4/83 Hammer Wt. 300# Probe Started 8:50 Elevation +8.5' of Water Surface M.L.W. Drop 18" Probe Hammer Completed Elevation Top of Probe -23.5' M.L.W. D. Campbell Elevation Top of Refusal -30.5 MILIW. Drilled by Soil Exploration Corp. -30.51 Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe Total Depth of Probe _ Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 21 19 26 Very stiff 24 22. Rods were clean 76 Very hard 7' 69 Very hard Bouncing refusal at -30.5 GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-13 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N_ ·Ε FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 4:30 Elevation -.25' of Water Surface M.L.W. Hammer 18" Probe Completed _ R. Seymour Elevation Top of Refusal _____ M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill _ACKER ACE Elevation Bottom of Probe _ -28.25' M.L.W. Feet Inspected by: Peter Beblowski Total Depth of Probe Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** Very soft 2 9 12 16 19. Med. stiff to stiff Clean probe & rods 51 Refusal at -28.25' 50/0" GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of I Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-14 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION · E Coordinates: N FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started Elevation -.5' of Water Surface M.L.W. Probe Hammer 18" Completed Elevation Top of Probe -22.5' M.L.W. R. Seymour Elevation Top of Refusal -33.5' M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -33.5' ⊬.L.₩. Feet Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 51 2 1 3 . Very soft 2 12 17 22 Med. stiff to very stiff 21 Cleam probe & rods 28 upon completion. 30 Refusal at -33.50' GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] Probe No.FP-83- Desig. $\frac{V-15}{V-15}$ Diam.Probe ROD_{AW-1 3}/4"D NEW ENGLAND DIVISION Coordinates: N FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 3:50 Elevation -0.75' of Water Surface M.L.W. Probe Hammer 18" 4:05 Elevation Top of Probe -25.25 M.L.W. Completed R. Seymour Elevation Top of Refusal _-36.25' M.L.W. Drilled by Soil Exploration Corp. Elevation Bottom of Probe -36.25' Mfg. Des.Drill ACKER ACE ĭ.L.₩. Feet Total Depth of Probe ____ Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS**] "= 1 Very soft 2 15 21 14 29 Stiff to very stiff 25 25 27 31 Some silt and sand on rods 10 46 Hard Refusal at -36.25' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. v-16 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION _____ ∴ E FIELD LOG OF TEST PROBE Coordinates: N 10/4/83 Elevation -0.5' of Water Surface M.L.W. Hammer Wt. 300# Probe Started 4:00 Probe Hammer 18" Elevation Top of Probe -28.5' M.L.W. Completed D. Campbell Elevation Top of Refusal _32.51 M.L.W. Drilled by Soil ExplorationCorp. Elevation Bottom of Probe _32.5! Mfg. Des.Drill ACKER ACE Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 51] "= WOH Soft 2 22 Very stiff Rods were clean 41 53 Very hard Refusalat -32.5' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of j Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-17 Diam. Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N E 10/4/83 Hammer Wt. 300# Probe Started 4:25 Elevation -0.25 of Water Surface M.L.W. Probe Hammer Probe Completed _ 4:45 Elevation Top of Probe _________M.L.W. D. Campbell Elevation Top of Refusal ____ M.L.W. Drilled by Soil Exploration Comp Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -40.75' M.L.W. Feet 10' Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 7"= Soft 1 Stiff 10 4. Med. stiff 6 10.-Stiff Med. stiff Stiff 12 Rods were clean 20 Very stiff 17 23 10' Probe ended at -40.75' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-18 Diam.Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION Coordinates: N FIELD LOG OF TEST PROBE 10/4/83 Hammer Wt. 300# Probe Started 5:00 Elevation +0.5' of Water Surface M.L.W. Probe Hammer : 18" Completed Elevation Top of Probe _____30.51 Drop M.L.W. D. Campbell Drilled by _ Soil Exploration Corp Elevation Top of Refusal ----MILIW. Elevation Bottom of Probe -40.5' 'Mfg. Des.Drill ACKER ACE Total Depth of Probe Inspected by: Peter Beblowski 10 Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS**] "= 51 WOH Rods were clean 2 Soft Med. stiff 8 Stiff 10 20 Very stiff 25 33 Hard Probe ended at -40.5' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-19 Diam.Probe ROD AW-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N 10/5/83 Elevation +9.75' of Water Surface M.L.W. Hammer Wt. 300# Probe Started 10:25 Hammer 18" Probe Completed Elevation Top of Probe -32.25' M.L.W. R. Seymour M.L.W. Elevation Top of Refusal ____ Drilled by Soil Exploration Corp Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -40.25' M.L.W. Feet Inspected by: Peter Beblowski Total Depth of Probe Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS**]"= HOW Clean probe & rods Very soft WOH WOH WOH WOH 51 Probe ended at -40.25' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1' Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-20 Diam. Probe ROD_AU-1 3/4"D NEW ENGLAND DIVISION E FIELD LOG OF TEST PROBE Coordinates: N 10/5/83 Hammer Wt. 300# Probe Started 10:00 Elevation +9.25' of Water Surface M.L.W. Hammer 18" Probe Comple Completed 10:10 Elevation Top of Probe _______33.75' M.L.W. R. Seymour Elevation Top of Refusal ---- M.L.W. Drilled by Soil Exploration Corp Mfg. Des.Drill _ ACKER ACE Elevation Bottom of Probe __40.751 Total Depth of Probe 71 Inspected by: Peter Beblowski Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= 51 HOW WOH WOH Very soft Clean probe & rods WOH HOW WOH WOH Probe ended at -40.75 GENERAL REMARKS

1	U. S. ARMY CORPS OF ENGINEERS		Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages						
		AND DIVISION	!	Probe No.FP-83-	Probe No.FP-83- Desig.V-21 Diam.Probe ROD_AW-1 3/4				
FIELD LOG OF TEST PROBE			Coordinates: N E 10/5/83						
Eleva	tion_	+9.0' of Wa	er Wt. 300# Probe Started 9:45						
Į.		op of Probe op of Refusa	Probe 9:50 Dr 18" Completed R. Seymour led by Soil Exploration Comp.						
Eleva	tion B	ottom of Pro	•	·Mfg.	Des.Drill ACKER ACE ected by: Peter Beblowski	1			
Dep		Blows Per		Feet ^W .	11134	· ·	1		
1"=		Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS			
	5'-	мон мон мон мон мон	Ve	ry soft		Clean probe & rods			
GEVED		TORS	Pr	ebe ended at -40	.01				
GENER	AL REM	ARKS							

Site Portsmouth Harbor N.H.& ME Page 1 of r Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-22 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N 10/5/83 Hammer Wt. 300# Probe Started 9:20 Elevation +8.25 of Water Surface M.L.W. Hammer 18" Probe Elevation Top of Probe -37.75' M.L.W. Completed R. Seymour Elevation Top of Refusal M:L:W. Drilled by _ Soil Exploration Corp. Elevation Bottom of Probe 42.75' Mfg. Des.Drill _ ACKER ACE Total Depth of Probe ____ Inspected by: Peter Beblowski Blows Per Depth **PROBING** CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 7"= 51 WOH WOH Very soft Clean probe & rods WOH WOH WOH 5 1 Probe ended at -42.75' GENERAL REMARKS

U. S. AF CORPS OF EN NEW ENGLAND FIELD LOG OF Elevation Top of Elevation Top of Elevation Botto Total Depth of	Probe No.FP-83-V-2 Coordinates: Surface M.L.W. O.O' M.L.W. M.L.W. O.O' M.L.W.	Hamm Hamm Dro	er Wt. 30 er 18" op 18" Des.Dri	Diam.Probe ROD_AL E 10/5/8 00# Probe Started Probe Completed R. Seymour Soil Exploration ACKER ACE Peter Beblowski	83 8:50 9:00	
	ws Per oot	PROBING OPERATIONS		CLASSIF	ICATION OF MATERI	ALS
	Lo	wered probe & roc	ls to	40.0'	Clean probe and rupon completion.	eds in the first of the first o
GENERAL REMARKS				,		-

Site Portsmouth Harbor N.H.& ME Page 1 of r Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. V-24 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION Ε Coordinates: N FIELD LOG OF TEST PROBE 10/5/83 Elevation +6.0' of Water Surface M.L.W. Hammer Wt. 300# Probe Started 8:15 Hammer 18" Probe Elevation Top of Probe __43.5' M.L.W. Completed D. Campbell Elevation Top of Refusal____ M.L.W. Drilled by Soil Exploration Comp Elevation Bottom of Probe __43.5! 'Mfg. Des.Drill ACKER ACE Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth **PROBING** CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 7"= Probe rods lowered to -43.5' GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Elevation		Probe No.FP-83 V-2 Coordinates: rface M.L.W. O' M.L.W. M.L.W.	Des 5 N Hamme Dro Dril	or N.H.& ME Page 1 of I Pages ig. v-25 Diam.Probe ROD_AW-1 3, E 10/5/83 er Wt. 300# Probe Started 2:00 er Probe Completed 2:15 R. Seymour led by Soil Exploration Corp. Des.Drill ACKER ACE ected by: Peter Beblowski	/4.''D	
Depth 1"= 51	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS	
	WOH WOH	Ver	y soft		Clean probe & rods	E.
		Pro	be ended at -40	.0'		
GENERAL REM	ARKS					_
			•		•	

Site Portsmouth Harbor N.H.& ME Page 1 of j Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig.v-28 Diam.Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION · E___ FIELD LOG OF TEST PROBE Coordinates: N 10/5/83 Hammer Wt. 300# Probe Started 3:45 Elevation +2.5' of Water Surface M.L.W. Probe Hammer 18" Elevation Top of Probe _46.5' M.L.W. Completed Drilled by Soil Exploration Corp. D. Campbell Elevation Top of Refusal ----MILIW. Elevation Bottom of Probe -46.5' Mfg. Des.Drill ACKER ACE Inspected by: Peter Beblowski Total Depth of Probe Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= Probe ended at -46.5' GENERAL REMARKS

CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Elevation +3.25 of Water Sur		Probe No.F <u>P-8</u> V Coordinates:	3- Des -29 N	ig. V-29 Diam.Probe ROD _{AW-1} 3/4" E 10/5/83 er Wt. 300# Probe Started 2:30 er : Probe
Elevation Top of Elevation Top of		1	Dre	~' 1011 O.UA l
Elevation Bottom Total Depth of P	•	-46.75' O' FeetW.	Mfg.	Des.Drill ACKER ACE ected by: Peter Beblowski
Depth Blows 1"= Foo	s Per ot	PROBING OPERATIONS		CLASSIFICATION OF MATERIALS
		Probe ended at -46	5.75'	
GENERAL REMARKS 50' of water	to bottom			

CORPS ONEW ENGLE FIELD LO Elevation Televation Televation B		Probe No.FP-83- V-3 OBE Coordinates: Note	Hamm Hamm Dri Dril	
Depth	Blows Per Foot	PROBING OPERATIONS	· ·	CLASSIFICATION OF MATERIALS
		Probe ended at -48.0 (53' of water)	•	
GENERAL REMA	RKS			

U. S. ARMY CORPS OF ENGINEERS		Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages					
NEW ENGLAND DIVISION		Probe No.F <u>P-83-</u> Desig. W-12 Diam.Probe ROD_AW-1 3/4"D					
FIELD LOG OF TEST PROBE			Coordinates:	N	· E · ·	-	
Elevation_	+5.0'of Wa	ter Su	Hamm Hamm	er Wt. 300# Probe Started 12:30	2		
Elevation T	op of Probe	-2	7.51 M.L.W.	Dre	- 10"	<u> </u>	
Elevation T	op of Refusa	1 <u>-28</u>	led by Soil Exploration Corp.	-			
Elevation B Total Depth	Bottom of Pro n of Probe	be <u>-2</u> 8		Des.Drill ACKER ACE ected by: Peter Beblowski] 		
Depth 1"= 51	Blows Per Foot	PROBING OPERATIONS			CLASSIFICATION OF MATERIALS		
1' =	32	Han	rd		Possible boulder	Ē	
		Refu	usal at -28.5'	50/0"	Clean probe and rods	E	
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GENERAL REM	ARKS		_				
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U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Elevation +4.0' of Water Su Elevation Top of Probe			Probe Coord rface	No.FP-83- W-13 linates: N	Hamm Hamme Dril	R. Seymour Red by Soil Exploration Corp.	4''D
Elevation Bottom of Probe-40. Total Depth of Probe			81	řeet ^W .		Des.Drill ACKER ACE ected by: Peter Beblowski	
Depth 1"= 5'	Blows Per Foot		PRO OPERA	BING TIONS	 	CLASSIFICATION OF MATERIALS	
5 8	WOH WOH 17 19 21 16 28		stiff	at -40.0'		Clean probe and rods upon completion.	
GENERAL REM	ARKS					·	
			_			1	

U. S. ARMY CORPS OF ENGINEER NEW ENGLAND DIVISION FIELD LOG OF TEST Elevation	Probe No.FP-83- W-14 Coordinates: N_ ater Surface M.L.W. -31.5' M.L.W. al M.L.W. obe40.5' M.L.W.	Coordinates: N			
Depth Blows Per	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS			
3 4 7 19 23 5' 11 9' 17 51	Very stiff to hard Probe ended at -40.5'	Some silt and sand on prob			
GENERAL REMARKS					

40.000

Site Portsmouth Harbor N.H.& ME Page 1 of pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. W-15 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION W-15 ∴ E FIELD LOG OF TEST PROBE Coordinates: N 10/11/83 Hammer Wt. 300# Probe Started 11:45 Elevation +3.0' of Water Surface M.L.W. Probe Hammer 18" 12:00 Completed Elevation Top of Probe -31.0' M.L.W. D. Campbell M.L.W. Elevation Top of Refusal Drilled by Soil Exploration Corp Elevation Bottom of Probe -40.0' Mfg. Des.Drill ACKER ACE Total Depth of Probe Inspected by: Peter Beblowski Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 1"= WOH Soft 1 Observed on rods: 17 Very stiff Green silt, some fine sand, Hard 46 few broken shells. Very hard 51. 41 Hard Very hard 56 31 Hard 40 Probe ended at -40.0' GENERAL REMARKS

U. S. AR CORPS OF EN NEW ENGLAND FIELD LOG OF Elevation Top o Elevation Top o Elevation Botto Total Depth of	GINEERS DIVISION TEST PROBE of Water of Probe f Refusal m of Probe	Probe No.FP-83- Desi W-16 Coordinates: N Surface M.L.W. Hamme Hamme Dro -34.0' M.L.W. Drill -40.0' Mfg.	E 10/11/83 Probe The probe Started 12:0 The probe of t	Z4"
	ws Per oot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS	
	15 17 19 41 Ha 59 Ve	ry stiff rd ry hard Probe ended at -40'	Rods were clean	
GENERAL REMARKS		·	· ·	

ATTACIBIES -

U. S. ARMY Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages CORPS OF ENGINEERS Probe No.FP-83- Desig. W-17 Diam.Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE Coordinates: N 10/11/83 Hammer Wt. 300# Probe Started 12:30 Elevation +5.0' of Water Surface M.L.W. Probe Drop 18" Hammer Completed ·12:40 Elevation Top of Probe _ -36.0' M.L.W. D. Campbell none Elevation Top of Refusal M.L.W. Drilled by Soil Exploration Corp -40.01 Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe 41 Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** ן "= 5 1 WOH Soft Med. stiff WOH Şoft Rods were clean upon completion. Probe ended at -40.0' GENERAL REMARKS

CORPS		Probe No.Fg OBE Coordinates ter Surface M.L.W. -37.75' M.L.W.	W-18 S: N Hamma Hamma	or N.H.& ME Page 1 of 1 Pages ig. W-18 Diam.Probe ROD_AW-1 3 E 10/11/83 er Wt. 300# Probe Started er Probe Completed 1:50 R. Seymour led by Soil Exploration Corp	4"D	
Elevation E	Sottom of Pro	Des.Drill ACKER ACE ected by: Peter Beblowski	- - - -			
Depth]"= 5'	Blows Per Foot	PROBING OPERATIONS		CLASSIFICATION OF MATERIALS		
3'	WOH ·	Very soft		Clean probe and rods upon completion.		
		Probe ended at	-40.75'			
GENERAL REM	IARKS					

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION	Probe No.FP-83- Desig.W-19	
FIELD LOG OF TEST PR	DBE Coordinates: N	E .
Elevation +7.0' of Wa		10/11/83 # Probe Started 1:55
Elevation Top of Probe		Probe Completed 2:05 Campbell
Elevation Top of Refusa	M.L.W. Drilled by So	il Exploration Corp.
Elevation Bottom of Pro Total Depth of Probe		ACKER ACE Peter Beblowski
Depth Blows Per 1"= 5' Foot	PROBING CLASSIFIC	CATION OF MATERIALS
l'= WOH	Soft Rods were	clean upon completion
	Probe ended at -40.0'	E-
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GENERAL REMARKS		Γ

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. x-7 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION ∴E Coordinates: N__ FIELD LOG OF TEST PROBE 10/6/83 Hammer Wt. 300# Probe Started Elevation +8.5' of Water Surface M.L.W. Probe Hammer 18" 1:20 Elevation Top of Probe _____-52.0' M.L.W. Completed D. Campbell MILIW. Elevation Top of Refusal_ Drilled by Soil Exploration Corp. Elevation Bottom of Probe _-54.0' Mfg. Des.Drill ACKER ACE Inspected by: Peter Beblowski Total Depth of Probe _____ Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 7"= Rods were clean HOW Soft HOW Probe ended at -54.0' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. X-8 Diam. Probe ROD_AU-1 3/4"D NEW ENGLAND DIVISION X-8 Coordinates: N FIELD LOG OF TEST PROBE 10/6/83 Hammer Wt. 300# Probe Started 1:05 Elevation +8.75' of Water Surface M.L.W. Probe Hammer 18" Completed Elevation Top of Probe ____43.25' M.L.W. Drop D. Campbell Elevation Top of Refusal ---- M.L.W. Drilled by Soil Exploration Corp. Mfg. Des.Drill ACKER ACE Elevation Bottom of Probe -43.251 Inspected by: Peter Beblowski Total Depth of Probe Blows Per Depth PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** 7"= Probe ended at -43.25' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. x-9 Diam.Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION ∴ E FIELD LOG OF TEST PROBE Coordinates: N 10/6/83 Hammer Wt. 300# Probe Started 12:55 Elevation +9.0' of Water Surface M.L.W. Probe Hammer Drop 18" 1:00 Completed D. Campbell Elevation Top of Probe _______ M.L.W. Elevation Top of Refusal -36.5' MILIW. Soil Exploration Corp Drilled by Elevation Bottom of Probe -36.5' Mfg. Des.Drill ACKER ACE Total Depth of Probe Inspected by: Peter Beblowski Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS**]"= 5 ' Bouncing refusal at -36.\$' GENERAL REMARKS

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages] U. S. ARMY CORPS OF ENGINEERS Probe No.FP-83- Desig. X-10 Diam. Probe ROD_AW-1 3/4"D NEW ENGLAND DIVISION X-10 Coordinates: N_ ÷Ε FIELD LOG OF TEST PROBE 10/6/83 Elevation +8.0' of Water Surface M.L.W. Hammer Wt. 300# Probe Started 1:25 Hammer 18" · Probe Completed Elevation Top of Probe -31.0' M.L.W. R. Seymour Elevation Top of Refusal -32.0' MILIW. Drilled by Soil Exploration Corp Elevation Bottom of Probe __-32.0' 'Mfg. Des.Drill ACKER ACE Total Depth of Probe Inspected by: Peter Beblowski Depth Blows Per PROBING CLASSIFICATION OF MATERIALS Foot **OPERATIONS** ן יי = 11 Med. stiff Clean probe & rods upon completion. Refusal at -32.0' 50/0" bouncing refusal GENERAL REMARKS

U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PROBE			i	Des	or N.H.& MEPage 1 of <u>1</u> Pages ig. <u>x-11</u> Diam.Probe ROD _{AW-1} 3/4" ∴ E
Elevation :	Top of Probe		I urface M.L.W. 99.751 M.L.W. M.L.W.	Hamme Dre	D. Campbell
Elevation Top of Refusal Elevation Bottom of Probe Total Depth of Probe			9.75	Mfg.	Des.Drill ACKER ACE ected by: Peter Beblowski
Depth	Blows Per Foot		PROBING OPERATIONS		CLASSIFICATION OF MATERIALS
		Bo	uncing refusal	at -29	75'
GENERAL REM	iarks		•		

Depth Blows Per Foot OPERATIONS 1"= 5' PROBING OPERATIONS 1 1 Very soft to soft Clean probe & rods Refusal at -37.5' 50/0"	U. S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST PROBLEMATION Elevation +6.0' of War Elevation Top of Probe Elevation Top of Refusa Elevation Bottom of Pro	Probe No.F <u>P-83- X-12</u> DBE Coordinates: N ter Surface M.L.W. Hamme -35.5' M.L.W. Drill be -37.5' Mfg.	
Very soft to soft Clean probe & rods Refusal at -37.5' 50/0"	Depth Blows Per	PROBING	CLASSIFICATION OF MATERIALS
Refusal at -37.5' 50/0"	1 7 .	Very soft to soft	Clean probe & rods
GENERAL REMARKS			

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U. S. ARMY CORPS OF ENGINEER NEW ENGLAND DIVISI FIELD LOG OF TEST	Probe No.F <u>P-83</u>	Th Harbor N.H.& ME Page 1 of Pages B Desig. X-13 Diam.Probe ROD AW-1 3/4"I N E
Elevation of Prob Elevation Top of Prob Elevation Top of Refu Elevation Bottom of P Total Depth of Probe	m.L.W. mobeM.L.W.	Hammer Wt. 300# Probe Started
Depth Blows Per	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	Probe unable to be to the close proxim R. Poisson notified problem.	nity of boring
GENERAL REMARKS		

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NEW ENGLAN	engineers D DIVISION OF TEST PRO 21 of Wat of Probe of Refusal	ter Su -41	Probe No Coordina rface M.I M.I	o. <u>FP-83-</u> Y-9 ates: N	Hamme Hamme Dro Drill	or N.H.& ME Page 1 of 1 Pages ig. y-9 Diam.Probe ROD_AW-1 3/4 E 10/11/83 er Wt. 300# Probe Started 11:05 er Probe D. Campbell led by Soil Exploration Corp. Des.Drill ACKER ACE ected by: Peter Beblowski	
Depth B	llows Per Foot		PROBII OPERATIO			CLASSIFICATION OF MATERIALS	
		Lower to -	red probe	rods			
GENERAL REMA	RKS						

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CORPS ONEW ENGLE FIELD LO Elevation Televation Televation Belower Belower Below Elevation Belo		0BE ter Su -3 13 be3	Probe No.FP-8 Coordinates: rface M.L.W. 37' M.L.W. 37' M.L.W.	3- D (-10 N Ha Har Dr	esi mme mme Dro	
Depth]"= 5'	Blows Per Foot		PROBING OPERATIONS			CLASSIFICATION OF MATERIALS
		Refu.	sal at -37' ibly boulder)			
GENERAL REI	гикка					

ATT & C.

CORPS OF ENGINEERS, U. S. ARMY NEW ENGLAND DIVISION Geotechnical Engineering Branch FIELD LOG OF TEST BORING

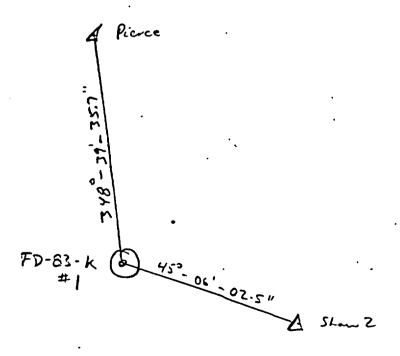
•	
Site Portsmouth Harbor, NH - ME	Page 1 of 3 Pages
Hole NoFD-83-1 Diam. (Casing) $3\frac{1}{4}$ " I.D.	Boring Started 7:15 AM 10/12/83
Co-ordinates: N 87909.54 E 349137.09	Boring Completed 10:25 AM 10/12/83
Drilled by Don Campbell	Report Submitted Oct. 27, 1983
Purpose of Exploration <u>To determine the rock so</u> and rock to be removed for the proposed d	urface along with the quality of the soil—redging at "Area 3 "
Elevation Top of Hole M.L.W. Total Overburden Drilled M.L.W. Elevation Top of Rock M.L.W. Elevation Bottom of Hole Feet Total Rock Drilled Feet Total Depth of Hole S	Casing Laft in Place none Feet
Core Recovered Ft.; Disc In. Soll Serples In. Disc. 4 No. Soll Serples In. Disc. 4 No.	Water Surface at Start of Work or Water Table Death +4.25' MLW
Depth Hethod of Orllling From To and Type of Bit Used 2276 40.75 Drive sample boring	Bround Water Back of Page Boring Location Sketch Back of Page 3 Overburden Record Page Page Page Page Page Page Page
Prepared by Peter Beblowski Field Data Sucalitied by Coll Exploration Corp	La Cala

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			U.S.					Site	Ports	mout	h Har	wr.	NH-MF	Pag	e 2 of _	<u>3</u> Page	:s
CORPS OF ENGINEERS NEW ENGLAND DIVISION				Site Portsmouth Haruar, NH-MF Page 2 of 3 Pages FD-83- FD Boring No. #1 Desig. FD-K Diam. (Casing) 34"													
		NEW I	ENGLA	ט טא	1015	NOI		0011	ng No.	17	_ De21	9. <u></u>	-K Diam	. (Casin	91	ц	
FIELD LOG OF TEST BORING					Co-o	rdinot	es: I	N 879	09.54		E34	9137.0	9	_			
	Elev	ation To	op of	Borin	9	-22.	75 '	M	I.L:W.	Hamn	ner Wt.	300	1b Boring	Starte	<u>7:</u>] ه	L5 10/1	2
:	Tota	l Overb	urden	Orlile	e d	18'		F	oot	Homn	ner Dro	p <u>18</u>	Boring	Complet	10: م	:25 10,	12
	Elev	ation To	op of i	Rock_			·	^	I.L.W.	Casin	g Left	0		Complet			-
	Tota	l Rock	Drille	d				F	est	Subs	ur foca	Water	Datal _		Page _		-
	Flave	ntion B	lattam	of B	oring	-40.	75 ¹	h	I.L.W.	Obs.	Wall	none	_				
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		FD-83- /	NH-NF	SUBSURFACE WATER OBSERVATIONS			
DATE	TIME	DEPTH-BOT. DEPTH-BOT. OF CASING OF BORING		DEPTH TO WATER	ELEVATION WATER	REMARKS	
·							
•							

Mote: Depths are in feet below original ground

BORING LOCATION SKETCH



CORPS OF ENGINEERS, U. S. ARMY NEW ENGLAND DIVISION Geotechnical Engineering Branch FIELD LOG OF TEST BORING

Site Portsmouth Harbor, NH - ME	Page I of 4 Pages
Hole MoFD-83-2 Diam. (Casing) 3½!!	Boring Started 11:00 AM 10/12
Co-ordinates: N 87888.18E 34878.75	Boring Completed . 3:30 PM 10/12
Orilled by D. Doyle	Report Submitted
Purpose of Exploration <u>To determine the rock</u> and rock to be removed for the proposed	surface along with the quality of the soil dredging at "Area 3 "
Elevation Top of Hole	Water Surface at Start of Work or Water Table Deoth +0.75
Death From To and Type of Sit Used 2/25 7/25 Drive sample boring 3/25 3/25 Cored thru nested boulders 3/25 4/25 Cored (NX - Diamond)	Bround Water Back of Page Boring Location Sketch Eack of Page Overburden Record Page Page Page Page Page Page Page Page Page
Prepared by Peter Beblowsk	ci GE MG
Sucalitied by	

FIELD LOG OF TEST BOILING IN BOOK

8172	Portsm	outh H	arbor, N	1 - ME			HOLE NO. FD	-83- 2	PAGE	2	
	DEPTH			RUN		DRILLING BEHAVIOR				BIT NO.	
DATE	Prom	то	RUN PT.	REC'V'T	Z ZEC. A. X	PEED	VATER	REASON FOR PULL	ACTUAL DRILLING TIME	81ZE AND T1P8	ADDITIONAL Benares
10/12	35.25	40.25	-35.25	40.25	27%	300	no loss	end of run	30 min.	NX	l ft. missing from bottom core barrel Dropped out of hol 2.3/5 ft. 47% Note: Cored from -31.25 to -35.75 thru nested boulde and cobbles.
OTAL BED	ROCK	OR ILLER	5	PER1							

DRILLER

INSPECTOR

D. Doyle

PLB

TOTAL BED ROCK RECOVERED 1.3'

PERCENT

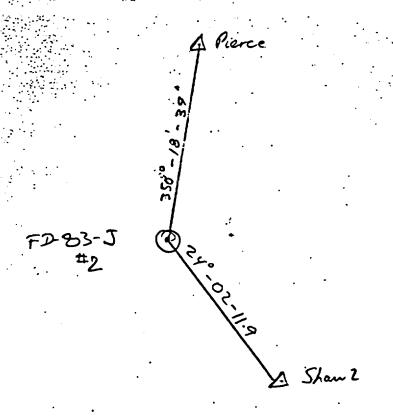
BED ROCK RECOVERY __

HEDATORY, 130

		CORF		ENG		RS	1	FD-	83- 2	FD -				
		NEW	ENGLA	ND C	DIVIS	NOI	Boring	No. <u>#2</u>	Desig.		Diam.	(Casing)	· 3½	
	FIE	ELD L	og o	FT	EST	BORI	NG Co-ord	inotes:	N	·····	·	Ε		
	Elevation Top of Boring								O Cater 1	Boring Data D. D	Completed	2:45	AM 12 PM	
							lomIn.	Ins	pected By				<u>i</u>	
	Soll	Sampl	65		<u> </u>	_ In. D	iam,No.	. Cl	noltaalitee	Ву: _	PLB		<u></u>	
	Soi I	Sample	s			in. D	lam No.	Cle	assification	Ву: _	PLB			
	D	EPTH				9LOWS PER FT. CORE REC'VY		IG AND			CLASSIFIC	ATION OF	MATER	RIALS
			S-1		5.0	WOH WOH WOH 4	Very sof	t	•		Gray - and fin shell)		-	
	-26.3	25'	S-2			6 21 46 19 143	Medium de	ense to	dense		Gray SW sand, se shell &	ome gra cobble	vel, t s)	race
1	-31.	25 '									dark gr (shale)	ay Irac	- Lux eu	- I
		·	1	NX		0.7	rec. 9" o boulder	of chop	from		Nested cobbles (choppe			debri
	-35.		· 2			1.3	Soft wear jumping a to vert. fracturin top 2.5' rec. 16"	and cha & subs ng	attering soil	due	Dard gr granuli exhibit possibl metamor little vertica	te soft s FE sta e flow phic bra calcite	stone ain bandin ecciat veini	g and ions, ng an
	-40.	75	•				Boring to at -40.25		ced		fractur			-
	GENE	RAL	REMA	RKS	 :									

Site: Portsmouth Hbr., NH-ME SUBSURFACE WATER OBSERVATIONS FD-83: 2 Boring No: DEPTH-BOT. DEPTH-BOT. DEPTH ELEVATION REMARKS DATE TIME OF CASING OF BORING TO WATER WATER À. *3 *. 1.53 我说出 经证 • • • Note: Depths are in feet below original ground

BORING LOCATION SKETCH



CORPS OF ENGINEERS, U. S. ARMY NEW ENGLAND DIVISION Geotechnical Engineering Branch FIELD LOG OF TEST BORING

	•	
Site	Portsmouth Harbor, NH - ME	Page 1 of <u>u</u> Pages
Hola No	F <u>D-63-3</u> Diam. (Casing) <u>3½"</u>	Boring Started 7:45 10/13
Co-ordin	nates: N <u>87919.77</u> E <u>348485-25</u>	Boring Completed 12:15 10/13
Orilled	byD. Doyle	Report Submitted Oct. 27, 1983
	of Exploration <u>To determine the rock</u> rock to be removed for the proposed	surface along with the quality of the soil dredging at "Area"
Total Over Elevation Elevation Total Rock Total Depti Core Recovi	Top of Hole	Water Surface at Start of Work or Water Table Depth +4.5
Death From To -13.0 244	He thod of Orilling and Type of Bit Used Rock come with NX bit - diamond	Bround Water Back of Page Boring Location Sketch Eack of Page Overburden Record Page Rock Orilling Page Page Page Page Page
<u>/</u>	Preserved by P. Beblowski Field Data	La Mi
	Sumitted by Soil Exploration Con	

FIELD LOG OF TEST DOILING IN DOCK

BITE Portsmouth Harbor, NH - ME HOLE NO. FD-83-3 PAGE 2 of 4

-17.4 -19.7 -22.9 3.2 2.0 63.2 "" "" "" " 8 min/fit NX 15 min/fit NX 20			PTH .		RUN		D	RILLING BEHAVIO	DR .			
-16.3 -17.2 0.9	DATE					1	PEED	V ATER	POR	DRILLING	DMA	
	10/13	-16.3 -17.2 -19.7	-17.3 -19.5 -22.9	0.9 2.5 3.2	0.4 1.4 2.0	45.5 56.7 63.2	11 11 11 11	11 11 11 11 11 11	jammed barro	5 min/f 8 min/f 15 min/f	t NX t NX t NX t NX	Terminated due to movement of barge binding up the dri rods and casing. In order to free up the drill rods the pressure had to be

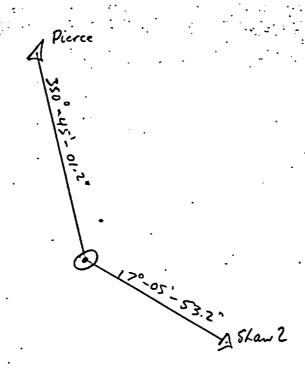
TOTAL BED ROCK DRILLED 11.4 PERT	
TOTAL BED ROCK RECOVERED 6.75 PEET	DRILLER D. Doyle
BFD RUCK RECOVERY	INSPECTOR P. Beblowski

				. A.				Site Port	smouth Har	wr.	NH-MF	Page	31 of _	<u>4</u> Po	ges
			PS OF					Borina No	FD-83- 3 Desig	FD.	l Diam	1Casia.		3½"	
											•				-
	FI	ELD L	.06 0) F	<u> </u>	ROK	ING	Co-oramo	les: N <u>879</u>	19,77		E34	8485.	25	_
	Ele	vation 1	Top of	Bori	ng	 	-13.0	M.L.W	. Hammer Wt	300	Boring	Started	7:4	5 10/ 15 10	<u>1</u> 3
	Total	al Overi	burden	Drill	led_			Feet	Hammer Dro	p		Complete			, –
	Elev	ation 1	Top of	Rock			-13.0	M.L.W.	Casing Left			Comprehe			_
	Tota	al Rock	Drille	d			11.7	Feet	Subswrf oce Obs. Wall	Water	Data' _		,a <i>ts</i> –		_
									Obs. Wall		<u>.</u>				
	!							Feet	Drilled By						
	į								Mfg. Des. Dri	"	Acker A	lce leblows	ki		-
								<u>·1 /</u> 8n.	Inspected B	λ. ——	PLB				-
	Soll	Sampl	03			In. C)ia m	No.	Classificatio				•		- ,
	Soil	Sample	es			In. C)lam	No.	Classificatio	n By: _	PLB				-
	C	DEPTH	COF	RE/SA	MPLE	BLOWS	SA	MPLING A	ND CORING			•			
		1"=	NO.	SIZE	DEPTH	PER FT. CORE REC'VY	1	OPERATIO			CLASSIFIC	NOITA	F MAT	ERIAL	s
				+	HANGE	RECVI					Plack d				ᆗ
		{ <u> </u>	1	NX	з.з	66.3	core	e barrel	jammed	1	Black do				
									•		vertical				
	-16.	ॏ —=	2	MV	h o	45 5	cone	harmal	dommod (1		lent				- }
	-17.	} =	-	I NA	0.3	.0.5	COL	Darrer	jammed (1	brece					4
										1	almost d	amorph uartZi	osea Ee _{and}	TO DOSS	il
	-19.	ļ <u> </u>	3	ИХ	2.5	56.7	core	e barrel	jammed		igneous				
	110										-võids Black-gr	av met	a-sil	tston	7
			4	NX.	3.2	63.2	core	e barrel	jammed		quartzit				
	-22.										vert. fr	act. p	reval	ent i	g
			·5	ИХ	1.5	50	core	barrel	jammed		11	<u> </u>		LE VII	7
ŀ	-24.								-						-
		コ					Term	inated a	t -24.4 fo	r ML	J				Ė
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Site: Portsmouth Hbr., NH-ME SUBSURFACE WATER OBSERVATIONS Boring No: F0-83-3 DEPTH DEPTH-BOT. DEPTH-BOT. ELEVATION REMARKS DATE TIME OF CASING OF BORING TO WATER . WATER . :. 11 m 1 m 1 m 1 m .,:::: Part of the state S. 487 (V. A. 34.77. 荒禁 ٠. , : : : . :

Mote: Depths are in feet below original ground

BORING LOCATION SKETCH



WEEKLY SAFETY REPORTS

WEEKLY SAFETY MEETING	
NEDSO WEEKING SAFETI MEETING	Date held 5/19
THRU: Area Engineer, Botsmouth Handon Area	Time 10-00 An
TO: Safety Office, NED	
1. Weekly safety meeting was held this date for the fo	ollowing personnel:
Contract No. DACW33-83-8-0000 Contractor MillEx	ENG F TESTING INC.
Conducted By PLB All personnel present	
Subjects discussed (Note, delete, or add): EM 385-1-1, Section:	(Sub) 4 Onless (Govt) 6
Accident Prevention Plan	
Individual Protective Equipment -	
Prevention of Falls -	
Back Injury, Safe Lifting Techniques -	•
Fire Prevention -	
Sanitation, First Aid, Waste Disposal -	
Tripping Hazards - trash, hose, nails in lumber -	
Staging, Ladders, Concrete Forms, Safety Nets -	
Hand Tools, Portable Power Tools, Woodworking Machine	ery
Equipment Inspection & Maintenance (Zero Defects) -	
Hoisting Equipment -	
Ropes, Hooks, Chains and Slings -	•
Electrical Grounding, Temporary Wiring, GFCI -	
Lockouts for safe clearance procedures - electrical,	pressure, moving parts -
Welding, Cutting -	
Excavations -	
Loose Rock and Steep Slopes -	

Toxic materials - hazards, MSDS, respiratory, ventilation -

Other -

Explosives -Water Safety -

2. Forwarded.

Prepared by <u>PLO</u> Title <u>Geologis</u>T

OF:

Signature Relation Tellowhing Resident Engineer

NED FL 251

WEEKLY	SAFETY	MEETING

NEDSO WEEKLY SAFETY MEETING	Date held 9/26/83
THRII. Area Engineer May to al.	
THRU: Area Engineer, Now Crylon Area	Time 8:30 Av
TO: Safety Office, NED	
1. Weekly safety meeting was held this date for the	•
Contract No. DACW-33-83-8-0000 Contractor M.W.	in the Franky
Conducted By PLB All personnel pres	v . j
Subjects discussed (Note, delete, or add): EM 385-1-1, Section:	(Govt)
Accident Prevention Plan I waren out for sould	Le tokup job safe
Individual Protective Equipment - Wayone was	
Prevention of Falls - warningon trying one tre	
Back Injury, Safe Lifting Techniques -	proting warmy or)
Sanitation, First Aid, Waste Disposal -	
Tripping Hazards - trash, hose, nails in lumber -	•
Staging, Ladders, Concrete Forms, Safety Nets -	
Hand Tools, Portable Power Tools, Woodworking Mach	dnery -
Equipment Inspection & Maintenance (Zero Defects)	
Hoisting Equipment -	
Ropes, Hooks, Chains and Slings -	
Electrical Grounding, Temporary Wiring, GFCI -	
Lockouts for safe clearance procedures - electrica	l, pressure, moving parts -
Welding, Cutting -	•
Excavations -	
Loose Rock and Steep Slopes -	
Explosives -	E Know where like rice are.
Diplosives - Water Safety - med one wegen wor PFD's	
Toxic materials - hazards, MSDS, respiratory, vent	ilation -
Other -	
Prepare 2. Forwarded.	ed by <u>Plb</u> Title Geograph # 5
CF: Signat	Resident Engineer
•	Resident Engineer
HED APP 62 251 Hrs. for 9/19 then 9/23 = 1,08	5.5 rshu for gove nys.

1,012.5 pm; determ

WEEKLY	SAFETY	MEETING	
	•		
_			

NEDSO	Date held /0/3/83
THRU: Area Engineer, No. Laci	
TO: Safety Office, NED	-
1. Weekly safety meeting was hel	ld this date for the following personnel:
· ·	Contractor Miller Ery. Fusking Z.
	and the second s
	(Sub) 344/2)
Subjects discussed (Note, delete, BM 385-1-1, Section:	All personnel present (Contr) 5 (Sub) 3 44(7) (Govt)
Accident Prevention Plan	
Individual Protective Equipment	t - wrice on hearing LAND hat & like vests
Prevention of Falls -	
Back Injury, Safe Lifting Techn	niques -
Fire Prevention - reminder o	in weation of fire ext.
Sanitation, First Aid, Waste Di	isposal -
Viripping Hazards - trash, hose,	, nails in lumber -
Staging, Ladders, Concrete Form	
Hand Tools, Portable Power Tool	•
Equipment Inspection & Maintena	· · · · · · · · · · · · · · · · · · ·
Hoisting Equipment -	
Ropes, Hooks, Chains and Slings	: 3 -
Electrical Grounding, Temporary	Wiring, GFCI -
· · · · · · · · · · · · · · · · · · ·	ocedures - electrical, pressure, moving parts -
Welding, Cutting -	
Excavations -	
Loose Rock and Steep Slopes -	
Explosives -	
Water Safety - Life UsT warn	ring issued
Toxic materials - hazards, MSDS	, respiratory, ventilation -
Other -	•
?. Forwarded.	Prepared by MLB Title Gal
an.	Signatura P/A
CF:	Signature Pls Resident Engineer
_	,
NED APR 62 251	

Hrs for 9/21 then 9/29/83 = 543.3 hrs

Note: correction or his for 9/19/169/23 = 727.5+5 = 732.5

•	
NEDSO WEEKI	Y SAFETY MEETING Date held /5/11/95
THRU: Area Engineer, Noven	Man Area Time 4:00 am.
TO: Safety Office, NED	7100 2017.
1. Weekly safety meeting was hel	ld this date for the following personnel:
Contract No. DECW 339315-00600	Contractor Miller One . 1 Truthing Inc.
Conducted By PLB	All personnel present (Contr)
Subjects discussed (Note, delete, EM 385-1-1, Section:	. (0.1)
Accident Prevention Plan	
Individual Protective Equipmen	t - ASKED WORKERS to wear hard bots F
Prevention of Falls - NoTED	reigning Harrists vests.
Back Injury, Safe Lifting Techn	niques -
Wire Prevention - Fine EXT.	COCATIONS NOTED.
Sanitation, First Aid, Waste Di	.sposal -
	nails in lumber - picker upz
Staging, Ladders, Concrete Form	
Hand Tools, Portable Power Tool	
Equipment Inspection & Maintena	
Hoisting Equipment -	
Ropes, Hooks, Chains and Slings	· · · · · · · · · · · · · · · · · · ·
Electrical Grounding, Temporary	•
Lockouts for safe clearance pro-	cedures - electrical, pressure, moving parts -
Welding, Cutting -	
Excavations -	
Loose Rock and Steep Slopes -	
Explosives -	
Water Safety - Placemont of 1	iferings noted.

2. Forwarded.

Cther -

Prepared by PLB Title Geologic

CF:

Toxic materials - hazards, MSDS, respiratory, ventilation -

Signature PUS. Resident Engineer MED APR EZ 251 705 n-an los / het. includes 4 gov. It ronker,
for week of Oct. 3-7, 1983.

NEDSO WEEKLY SAFETY MEETING	Date held 10/17/83
THRU: Area Engineer, Now Entitled Area	Time 8:30Am
TO: Safety Office, NED	
1. Weekly safety meeting was held this date for t	he following personnel:
Contract No. DACW- 33-83 Books Contractor Mi	
	esent (Contr) 4
Subjects discussed (Note, delete, or add): EM 385-1-1, Section:	(Sub) 7 (Govt)
Accident Prevention Plan	
Individual Protective Equipment - wear Land L	do F PFD's
Prevention of Falls -	
Back Injury, Safe Lifting Techniques -	
Fire Prevention -	
Sanitation, First Aid, Waste Disposal -	
Tripping Hazards - trash, hose, nails in lumber	-
Staging, Ladders, Concrete Forms, Safety Nets -	
Hand Tools, Portable Power Tools, Woodworking Ma	chinery -
Equipment Inspection & Maintenance (Zero Defects	-
Hoisting Equipment -	
Ropes, Hooks, Chains and Slings -	
Electrical Grounding, Temporary Wiring, GFCI -	
Lockouts for safe clearance procedures - electri	cal, pressure, moving parts -
Welding, Cutting -	
Excavations -	
Loose Rock and Steep Slopes -	
/Explosives -	
V Water Safety -	
Toxic materials - hazards, MSDS, respiratory, ve	ntilation -
Cther -	<u>.</u>
• Forwarded.	nature (18 Atol Selfert
F: Sign	Resident Engineer

Why Exposure marker. 495 hrs. for 10/14

NEDSO MERKIT SAFETT MEETING Date held /o/24/81		• • • • • •	11777777777	•		
THRU: Area Engineer, No. England Area Time — TO: Safety Office, NED 1. Weekly safety meeting was held this date for the following personnel: Contract No. DACW 33.93.0071 Contractor Miller Engineer & Turk, Fu. Conducted By T. Selband. All personnel present (Contr) Subjects discussed (Note, delete, or add): (Sub) Subjects discussed (Note, delete, or add): (Cort) BM 365-1-1, Section: Accident Prevention Flan Individual Protective Equipment - Prevention of Falls - Back Injury, Safe Lifting Techniques - Fire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Defects) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Other - Prepared by Rise Scient Ingineer Prepared by Rise Scient Ingineer Accident Field West Terminated on 10 10/185 MEO 15/12 - 447 + Shen gar't Shen gar't	NEDSO		WEERLI SAFETY MEET		te held /o/z	4/83
1. Neekly safety meeting was held this date for the following personnel: Contract No. DACW 33.83-(-0) Contractor Miller Experiment of Tasking Int. Conducted By T. Meller All personnel present (Contr.) Subjects discussed (Note, delete, or add): (Sub) Subjects discussed (Note, delete, or add): (Gort) BM 365-1-1, Section: Accident Prevention Flan Individual Protective Equipment - Prevention of Falls - Back Injury, Safe Lifting Techniques - Fire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Note - Hand Tools, Fortable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Dafects) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GPCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - Prepared by Rice Buller Title Crass REO 10/18 Signature	THRU: Are	a Engineer, Ne	England Area			
Conducted By P. Sebendi All personnel present (Comtr) Subjects discussed (Note, delete, or add): (Sub) DM 365-1-1, Section: Accident Prevention Plan Individual Protective Equipment - Prevention of Falls - Back Injury, Safe Lifting Techniques - Pire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Defecte) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - Prepared by Rior Bubbanda Title (Tex. Signature Ant Bubbanda Control of 10/1948 (Septent Propince) (Septent Pala) (10/1) 15 10/21 - 4477 **HED 15/1452 (Septent Pala	TO: Saf	ety Office, NED		• .		
Conducted By P. Sebendi All personnel present (Comtr) Subjects discussed (Note, delete, or add): (Sub) DM 365-1-1, Section: Accident Prevention Plan Individual Protective Equipment - Prevention of Falls - Back Injury, Safe Lifting Techniques - Pire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Defecte) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - Prepared by Rior Bubbanda Title (Tex. Signature Ant Bubbanda Control of 10/1948 (Septent Propince) (Septent Pala) (10/1) 15 10/21 - 4477 **HED 15/1452 (Septent Pala	1. Weekly	safety meeting	was held this date	for the follo	wing personnel	L:
Conducted By Select Sub						•
Subjects discussed (Note, delete, or add): M 365-1-1, Section: Accident Prevention Flan Individual Protective Equipment - Prevention of Falls - Back Injury, Safe Lifting Techniques - Fire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Dafects) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - 2. Forwarded. Prepared by Pichlobarka Title (Inc. Signature Machinery Resident Engineer Project Field Work Terminated on 10/10/48 Resident Engineer Weekly, Exposure total: 10/1, to 10/21 = 447 + 5 km. gov't	Conducted	By P. Beblough				3
Individual Protective Equipment - Prevention of Falls - Back Injury, Safe Lifting Techniques - Fire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Defects) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Crounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - Prepared by Litablobarka Title (Tex. Signature Att Defender Project Field Work Terminated on 10/10/1483 MED 10/1483 MED 10/1483 MED 10/1483 MED 10/1484 **Exposure Total 10/1/1 to 10/21 = 447 **Extra 90°44	Subjects d EM 385-	iscussed (Note, 1-1, Section:		(5)	ub)	•
Back Injury, Safe Lifting Techniques - Fire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Defects) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - 2. Forwarded. Signature Att Bullendin Prepared by Richblanda Title (response tital) - 10/10/483 NED, FR. 251 Weekly Exposure tital: 10/1: 10/21 = 447 + 5 km. 9 m't	Acciden	t Prevention Pla	n		•	
Back Injury, Safe Lifting Techniques - Fire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Defects) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - 2. Forwarded. Signature Att Bullendin Prepared by Richblanda Title (response tital) - 10/10/483 NED, FR. 251 Weekly Exposure tital: 10/1: 10/21 = 447 + 5 km. 9 m't	Individ	nal Protective E	ouinment -			5.
Back Injury, Safe Lifting Techniques - Fire Prevention - Sanitation, First Aid, Waste Disposal - Tripping Hazards - trash, hose, nails in lumber - Staging, Ladders, Concrete Forms, Safety Nets - Hand Tools, Portable Power Tools, Woodworking Machinery - Equipment Inspection & Maintenance (Zero Dafects) - Hoisting Equipment - Ropes, Hooks, Chains and Slings - Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Excavations - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - 2. Forwarded. Signature Att Colombia Title (Text REO 100 100 100 100 100 100 100 100 100 10	•			· •		• .
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Electrical Grounding, Temporary Wiring, GFCI - Lockouts for safe clearance procedures - electrical, pressure, moving parts - Welding, Cutting - Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - Prepared by Rturbubbarba Title (rase Project Field Work Terminated on 10/20/483 MED APP 62 251 Weekly Exposure total: 10/19 to 10/21 = 447 + 5 hrs. gor't	Hoisting	Equipment -	•			
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Excavations - Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Other - Prepared by PterBeblanta Title (160) Forwarded. Signature And Debanda Signature Resident Engineer MED APP 62 251 Weekly Exposure total: 10/1; to 10/21 = 447 + 5 hrs. ger 4	Lockouts	for safe clears	unce procedures - el	ectrical, pres	ssure, moving	parts -
Loose Rock and Steep Slopes - Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Other - Prepared by Peter Belblushi Title (ras Project Field Work Terminated on 10/20/1983 MEO APP 82 251 WEEKLY Exposure total: 10/19 to 10/21 = 447 + 5 hrs. gov't	Welding,	Cutting -	•		•	
Explosives - Water Safety - Toxic materials - hazards, MSDS, respiratory, ventilation - Cther - Prepared by <u>Rturbubburha</u> Title <u>(rur</u> 2. Forwarded. Signature <u>Mth. Lubburha</u> Project Field Work Terminated on 10/20/483 NEO APP 62 251 Weekly Exposure total: 10/1; to 10/21 = 447 + 5 hrs. gov't			•	•,	•	
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Other - 2. Forwarded. Prepared by Rtar Beblowshi Title Crass Signature Stat Selbourle Project Field Work Terminated on 10/20/1483 NEO APP 62 251 Weekly Exposure total: 10/1: to 10/21 = 447 + 5 hrs. gov't		-	o MCDS magninusham			
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OF: Project Field Work Terminated on 10/20/1983 NEO APP 82 251 WEEKLY Exposure total: 10/19 to 10/21 = 447 + 5 hrs. gov't	Other -				7, 6 , 1	
WEEKLY Exposure total: 10/1 to 10/21 = 447 + 5 hrs. gor't	2. Forwarded					•
Weekly Exposure total: 10/14 to 10/21 = 447 + 5 hrs. gor't	OF:	Project Field	Work Terminated	Signature	At L Suffeesident Engine	omli eer
	NED FL 251	WEEKLY Expe	sure total: 10/1	1 to 10/21 =	= 447	
452 hrs.					452 hrs.	

2Kitt	CERTIFIC	ATE (OF INSPECTIO	N .			
	(Self-propelled floe	ating p	lant under 65' in	longth)			
PETERS P	UMBER ET NH2326A.		MAXIMUS NUMBER	R OF PASSENGER	S (incl. crew)		
NEW EM	· •		PROJECT Brisith	L HANBOR	DACW33-63-C	-0073	
Old Tow	in Lapstrake		Wood		Y	<u>.</u>	
PROPULSION INBOARD		SEL	TOTAL RATED H.	.P.	LENGTH- BEAM - DRAF	x 1.5'	
	INSPI		N RESULTS				
	(Check applicable Item INSPECTION ITEMS	ne - Ind	licate inapplicable it T	INSPECTION IT	F 1.4 C	T	
NAME AND/OR	PROPER SIZE, TYPE AND COLOR	YES	VENTILATION OF HULL AND		FITTED WITH PROPER	NA	
NAME AND/OR NUMBER NAVIGATION LIGHTS LIFE SAVING DEVICES	PROPERLY DISPLAYED ON BOW AND STERN	4E 5	BILGES	ELECTRIC BILG	SE BLOWERIS) FULLY	WA	
NAVIGATION	WHITE - PROPERLY DISPLAYED AND 9/24	+			TENED IN PLACE		
	COLORED - ADEQUATELY SCREENEOgly AND OPERATING	 	FUEL SYSTEM	FILLER AND VE	ENT PIPES BONDED AND TALLED	MA	
	REQUIRED NUMBER ON BOARD	YES		SHUT OFF VALS	VES PROPERLY IN- OPERATIVE	WA	
LIFE SAVING DEVICES	SATISFACTORY CONDITION	45	ELECTRICAL INS	STALLATION SAT	ISFACTORY	45	
L	READILY	453		SUITABLE AND	HOR(5)	463	
WHISTLE OR HOR	STLE OR HORN ADEQUATE		MOORING TACKLE	ANCHOR LINE/	CHAIN PROPER SIZE ONDITION	465	
BELL ADEQUATE		NA		MOORING LINES	OF PROPER SIZE AND TION	755	
CARBURETOR(S)	APPROVED FLAME ARRESTOR IN GOOD CONDITION AND PROPERLY INSTALLED	463	BILGES CLEAN A	NO FREE FROM F	RE HAZAROS	45	
	DRIP PAN(S) PROPERLY INSTALLED AND IN GOOD CONDITION	NA	FIRST AID KIT	COMPLETE		YES	
	APPROVED TYPEID	YES		ACCESSIBLE		YES	
	PROPER SIZE(S)	755					
FIRE EXTINGUISHERS	REQUIRED NUMBER	45					
	SATISFACTORY CONDITION	95					
	READILY ACCESSIBLE	4E5					
REMARKS							
•					-		
This vessel mo	eets the safety requirements of the U.S		or Guard and the	Come of Engir	30010		
DATE INSPECTED			>(outle elle elle		RE OF INSPECTOR		
•	TITLE OF INSPECTO		.	()	J. Williams		
7.11-	1	2 2 24	.1	11367	الميان الميان الميان الميان الميان الميان الميان الميان الميان الميان الميان الميان الميان الميان الميان الميا		

1-9	CERTIFIC		DF INSPECTIO			
HAME AND/OR NO			MAXIMUN NUMBE	,	RS (incl. crew)	
MILCOX	WILCOX I 2/2902			<u> </u>		
NEWE	allmo		Porkmonth	Harbor	DANC 33-83-C-	-0073
Builter R. C	Yalo, N.Y. 1914		HULL MATERIAL	121		
PROPULSION	1979		TOTAL RATED H.		LENGTH- BEAM - DRAF	- T
INBOARO	OUTHOARD GAS OF	SEL	600		61.7 × 18.0 ×	7.9
<u>.</u>	INSP (Check applicable ite		N RESULTS	tems with N/A)		
	INSPECTION ITEMS			INSPECTION IT	EMS	T
NAME AND/OR	PROPER SIZE, TYPE AND COLOR	MA	VENTILATION OF HULL AND	VENTILATORS COWLS OR EQU	FITTED WITH PROPER	YES
NUMBER	PROPERLY DISPLAYED ON BOW AND STERM	1/9	BILGES	ELECTRIC BIL ENCLOSED .	GE BLOWER(S) FULLY	NA
NAVIGATION	WHITE - PROPERLY DISPLAYED AND OPERATING	465		TANK(S) AND L FASTENED IN	INES SECURELY PLACE	NO
LIGHTS	COLOREO - ADEQUATELY SCREENED AND OPERATING	453	_		ENT PIPES BONDED AND	7ES
	REQUIRED NUMBER ON BOARD	455		SHUT OFF VAL	VES PROPERLY IN- OPERATIVE	405
LIFE SAVING DEVICES	SATISFACTORY CONDITION	YE'S	ELECTRICAL IN	CAL INSTALLATION SATISFACTORY		15
	READILY ACCESSIBLE	703		SUITABLE AND	:HOR(s)	Zes
WHISTLE OR HOR	HISTLE OR HORN ADEQUATE		MOORING TACKLE	ANCHOR LINE/ AND IN GOOD	CHAIN PROPER SIZE	743
BELL ADEQUATE	<u> </u>	YES		MOORING LINE	S OF PROPER SIZE AND ITION	405
CARBURETOR(S)	APPROVED FLAME ARRESTOR IN GOOD CONDITION AND PROPERLY INSTALLED	NA	BILGES CLEAN A	ILGES CLEAN AND FREE FROM FIRE HAZARDS		YES
	DRIP PAN(S) PROPERLY INSTALLED AND IN GOOD CONDITION	NA	COMPLETE			465
	APPROVED TYPE(S)	45	,	ACCESSIBLE	Michael Control of the Control of th	465
	PROPER SIZE(S)	463				
FIRE EXTINGUISHERS	REQUIRED NUMBER	X5				
	SATISFACTORY CONDITION	YES				
	READILY ACCESSIBLE	468				
REMARKS					W	
2	Cobert Rand, Shouls Corp. ompletion of this form:	· , Tu	, operator	, gove 45.	sistance in the	
						٠
This vessel me	eets the safety requirements of the U.	S. Coa	st Guard and the	Corps of Engi	neers	
DATE INSPECTED	TITLE OF INSPECT	OR		SIGNATU	RE OF INSPECTOR	
9/15/	92 STAFF GE	doci	5	fel	I Bellowshi	

				
SAFETY INSPECTION CHECK LIST FOR CONSTRUCT U. S. ARMY ENGINEER DIVISION, NEW ENGLAND	CTION EQ	U I PME	NT	
CONTRACTOR MILLER ENG. & TESTING ENC.	ITRACT NO. DACW 3	3-83-	B-007	 3
TYPE OF EQUIPMENT (RANG	HINE NO.			
DATE OF INSPECTION 9/19/83				
INSPECTED BY (Signature) APP	ROYED BY (Si	gnatur School	e) Win'	
NOTE: Corps of Engineers General Safety Requirements references are any machinery is placed in use, it shall be tested and inspected certified to be in safe operating condition. Records will be for inspection at the site. Inspection will be renewed within	ted by a com	petent	mechan i	c and
TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	•	YES	но	NOT APPL
I. Is lock provided to prevent starting by unauthorized persons? (18	BAIO)	X		
2. Is maintenance schedule conforming with manufacturer's recommendate for this machine? (18A02)(18A03) KEAT Thru Shouls'Corps.		X		
 Are adequate Class B fire extinguishers installed on the equipment and ready for use, suitably placed, and distinctly marked; and is sibility to them not obstructed? (13A02)(13A03) 	t charged acces-	X 9/w	X/15	
 Are Operator's experienced and able to read and understand signs, no operating instructions, and signals to be used? (05A07) 	notices,	×		
a. Are Crane Operators 21 years of age? (05A04)		×		<u> </u>
b. Are Drivers of motor vehicles used on highways over 18 an valid license? (05A06)	nd have a			
c. Is there a known heart condition, epilepsy, or other ailm detrimental to safe operation of the equipment? (05A01)	nen t	· · · · · · · · · · · · · · · · · · ·	X	-
5. Operating Test. Prior to being placed in operation all hoists, cr and derricks will be tested using not less than 125% of the maximum anticipated load at the maximum boom radius to be used during oper All motions of equipment will be performed during test at variable angles. (18001) Particular attention shall be given that under no circumstances wi maximum anticipated load used for computing static test load excee manufacturer's rating. The contractor will provide the test weigh Date	rations. boom If the ed the ets. tons.			×
 Is a safe-load-capacity chart ENG Form 3364 for various boom radii in the cab of the crane? Is this chart applicable to present boom counter weight, etc.? (18005)(18001) 		X		

8. Are all self-propelled construction units, - except light service vehicles such as panels, pick-ups, or station wagons and heavy crawler-type crames, power shovels, back-hoes and draglines, - equipped with a reverse signal alarm which will operate automatically when the vehicle moves in reverse and giving approved audible sound alarm? (18801) 9. Do tractors, dozers, front end loaders, graders and rollers have seat belts and rollover bars certified to S.A.E. Standards or previous Corps of Engineers approval? (18A20) 10. If used for clearing of woods, do tractors, dozers and similar machines have heavy canopy or grille to protect Operator from falling or flying objects? (18A19) 11. Are belts, gears, shafts, pulleys, sprockets, blades, drums, flywheels, chains, or other reciprocating, rotating or moving parts adequately guarded? (18803) 12. Are hook rollers free to turn and secured on turntable? 13. Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18804) 14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18805) 15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806)		TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT Appl.
such as panels, pick-ups, or station wagons and heavy crawler-type cranes, power shovels, back-hoes and draglines, - equipped with a reverse signal alars which will operate automatically when the vehicle moves in reverse and giving approved audible sound alarm? (18801) 9. Do tractors, dozers, front end loaders, graders and rollers have seat belts and rollever bars certified to S.A.E. Standards or previous Corps of Engineers approval? (18A20) 10. If used for clearing of woods, do tractors, dozers and similar machines have heavy canopy or grille to protect Operator from falling or flying objects? (18A19) 11. Are belts, gears, shafts, pulleys, sprockets, blades, drums, flywheels, chains, or other reciprocating, rotating or moving parts adequately guarded? (18803) 12. Are hook rollers free to turn and secured on turntable? 13. Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18804) 14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18805) 15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806) 16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and loadindicating device to prevent overloading? (18C14) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07) 20. Is hoist braking equipment capable of holding at least the full test allow writing positions? (18C07) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003)	7.	The state of the s	-	,	X
and rollover bars certified to S.A.E. Standards or previous Corps of Engineers approval? (18A20) 10. If used for clearing of woods, do tractors, dozers and similar machines have heavy canopy or grille to protect Operator from falling or flying objects? (18A19) 11. Are belts, gears, shafts, pulleys, sprockets, blades, drums, flywheels, chains, or other reciprocating, rotating or moving parts adequately guarded? (18803) 12. Are hook rollers free to turn and secured on turntable? 13. Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18804) 14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18805) 15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806) 16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and load-indicating device to prevent overloading? (18C14) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07) 20. Is hoist braking equipment capable of holding at least the full test load? (18C04) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003)	8.	such as panels, pick-ups, or station wagons and heavy crawler-type cranes, power shovels, back-hoes and draglines, - equipped with a reverse signal alarm which will operate automatically when the vehicle moves in reverse			X
have heavy canopy or grille to protect Operator from falling or flying objects? (18A19) Are bolts, gears, shafts, pulleys, sprockets, blades, drums, flywheels, chains, or other reciprocating, rotating or moving parts adequately guarded? (18B03) 12. Are hook rollers free to turn and secured on turntable? 13. Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18804) 14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18805) 15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806) 16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and loadindicating device to prevent overloading? (18C14) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07) 20. Is hoist braking equipment capable of holding at least the full test load? (18C10) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18D03) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	9.	and rollover bars certified to S.A.E. Standards or previous Corps of Engi-			X
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13. Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18804) 14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18805) 15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806) 16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and loadindicating device to prevent overloading? (18014) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18003) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18007) 20. Is hoist braking equipment capable of holding at least the full test load? (18004) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18010) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003)	11.	chains, or other reciprocating, rotating or moving parts adequately	×	•	
guarded or insulated? (18804) 14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18805) 15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806) 16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and loadindicating device to prevent overloading? (18C14) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07) 20. Is hoist braking equipment capable of holding at least the full test load? (18C04) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	12.	Are hook rollers free to turn and secured on turntable?	X		
with engine, exhaust, or electrical connections? (18805) X 15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806) 16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and loadindicating device to prevent overloading? (18C14) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07) 20. Is hoist braking equipment capable of holding at least the full test load? (18C04) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18D03) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	13.		X		^
obstruct view of operator? (18806) 16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and load-indicating device to prevent overloading? (18C14) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07) 20. Is hoist braking equipment capable of holding at least the full test load? (18C04) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18D03)	14.		X		
assure safe footing and accessways? (18808) 17. Are cranes and derricks equipped with boom angle indicator and load-indicating device to prevent overloading? (1804) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18003) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18007) 20. Is hoist braking equipment capable of holding at least the full test load? (18004) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18010) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003)	15.		X		
indicating device to prevent overloading? (18C14) 18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07) 20. Is hoist braking equipment capable of holding at least the full test load? (18C04) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18D03) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	16.	Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808)			X
other positive locking devices? (18CO3) 19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18CO7) 20. Is hoist braking equipment capable of holding at least the full test load? (18CO4) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18COO) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18DO3) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	17.		X		
20. Is hoist braking equipment capable of holding at least the full test load? (18004) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18010) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	18.	Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18003)	X		
load? (18004) 21. Is tagline provided to be attached for controlling swing of crane lifts? (18010) 22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	19.		×	-	
22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	20.		X		
stops and welded struts are unacceptable) (18DO3) 23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	21.	-			X
prevent persons being struck by swing of counterweight or cab? (18A21)	22.		X		
· · · · · · · · · · · · · · · · · · ·	23.	Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	17/6 X	X	

	TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT Appl.
24.	Do all points requiring lubrication during operation have such fittings located or guarded in such manner that personnel servicing the equipment are protected from injury? (18A25)	X		
25	Do all modifications, extensions, replacement parts, and/or repairs to equipment maintain the minimum factor of safety as the original equipment with new, manufacturer's parts? (18002)	X		
26.	Are any of the structural members bent or rusted, or do they otherwise show signs of damage?		X	
27.	Are running lines of hoisting equipment exposed to hazardous contact adequately guarded? (I5E09)	· V		
28.	Are drums, sheaves, sheave pins, and pulleys smooth and free of defects? (17007)	X		•
29.	Are wire rope, sockets, splices, thimbles, clips, and chains adequate and properly applied and in good operating condition? (17001-11)(17001-03)	X		
30.	Are hooks, shackles, rings, pad eyes, and other fittings in good condition? (17A05)	X		
31.	Are fueling cans used with this equipment approved type safety cans? (12E25)			X
32.	Are clamshell, orange-peel and dipper buckets all without missing teeth, worn shell, makeshift bolted connections or holes rusted through shell?	•		X
33.	Are concrete buckets equipped with extension to gate lever for safe dumping?			:. X
34.	Are adequate guardrails provided around the skips of pavers, concrete mixers and similar equipment? Guard is required for open end of skip. (18807)			X-
35.	Are all motor vehicles equipped as follows? (19A06)(19A12)			-
	a. Directional signal lights both front and rear?			X
	b. Two headlights: one on each side; one red tail light and one red or amber stop light?			X
	c. Rear view mirror?			X
36.	Are service and parking brakes in good operating condition? (19A07)			X
37.	Are trucks over 5 tons and heavy hauling units equipped with emergency brakes automatically stopping machine if service brakes should fail? (19A07)			X
38.	Are windshields on equipment provided with windshield wipers in proper operating condition? (19A10)			×
39.	Is all glass in windshields, cabs, windows and doors of safety glass without holes, breaks or cracks? (19A15, 19A16)(18A18)		X	
40.	Are running boards and steps of vehicles provided with non-slip surfaces?	X		

	TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO .	NOT APPL.
41.	. Are dump bodies provided with hinged struts or other suitable device for locking body in raised position? (19A2O)			X
42.	Are tail-gate dumping devices so arranged that Operator will be in the clear while dumping load? (19A22)			X
43.	Are approved seat belts installed for driver and all passengers?			X
44.	Is engine equipped with power-operated starting device? (19A23)			X
45.	Is air-pressure gage in operative condition on equipment with air brakes? (21A10)			X
46.	is air tank equipped with drain valve in an accessible position for daily draining? (21824)			X
47.	Are towing devices structurally adequate and properly mounted with safety chains to prime mover? (19A17, 19A19)			X
48.	Are stone ejectors mounted between each pair of dual wheels?			X
49.	is there an approved cover prepared for covering loads of loose material while on the road?			X
	PRESSURIZED, ELECTRICAL, POWER SYSTEMS			
50.	is an approved pressure gage installed on pressurized system? (21A10) No valve between gage and vessel or equipment? (21A10, 21A12)			X
51.	Is safety or relief valve sealed after adjustment? (21A14)			X
52.	Does receiver of air compressor bear certificate of hydrostatic pressure test at 125% of working pressure within two years? (21A01)			X
53.	Are all pneumatic hose connections provided with safety lashing? (21A18)			X
54.	Are guards for protection of Operator's feet installed on power screeds, concrete finishing machines, mowers, etc.? (18811)			X
55.	Is there a guard mounted on all chain saws, circular saws, and band saw blades? Are radial saws provided with automatic retracting device? (16001)			X
56.	Have all enclosed scaffold machines been dismantled, inspected, lubricated, and tagged with name and date by a Licensed Rigger?			X
57.	Is electric welding machine bonded to engine? (15CO2)			X
58.	Are all portable electric generators and electrical equipment properly grounded to water lines or ground rods?			X
	FLOATING PLANT		-	
59.	Are all decks, stair treads and walkways of non-slip surface? (26803)		X	
60.	Are guard rails and grab irons mounted on all weather decks? (26810)			X
61.	Is built-in automatic fire extinguishing system installed at enclosed power plants? (26CO2)			X
62.	Are U.S.C.G. lights and shapes mounted on vessel? (26A01)	9/20	1/3	

	<i>t</i> ,		•	
	FLOATING PLANT	YES	NO	NOT APPL.
63.	Are safe boarding ladders, and gangplanks with handrails provided? (26801)		X	
64.	Is rescue boat prepared and used only in emergency? (07G01-07)	X		
65.	Does motor boat carry decal of safety inspection by U.S.C.G. or Auxiliary?	X		
66.	Is there U.S.C.Gapproved life west for every person aboard? (07E02)	X		
67.	Is a life ring on 50-foot line hung on each side of deck? (07F04)	9/20	3/15	
68.	Are waterlights attached to ring buoys? (07F06)		x	
69.	Are safe climbing devices or enclosing cages built on ladders up boom and spud or drilling mast? (30814, 30815)			X
70.	Are deck obstructions painted with wide diagonal yellow and black stripes? (26809)	1%	9/19	
71.	Are all repairs completed watertight and thoroughly inspected? (26A06)	X		
72.	Is vessel certificated by U.S.C.G.? (26A01)	X		
73.	Is Captain of uncertificated vessel over 26 feet long Licensed by U.S.C.G. for towing in this area? (26A02)	Χ.		
74.	Does dredge pipe line have attachments for walkway and hand rail? (26806) .			X
75.	Remarks: Other equipment inspected. (Conveyors, batch plants, elevators, material hoists, cableways, airtracks, earth augers, special purpose).			
	This inspection check List was prepared by PETER BEBLOWSKI, STAFF boologist, Miller Engineering F			
	Testing, Inc. with the Assistance of Mr. Peter P. Howksema			
	SAFETY EEO, & Mr. JOE KENNEDY, MAINTENANCE, SHOALS Cooperation.			
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	SAFETY INSPECTION CHECK LIST FOR CONSTRUCT U. S. ARMY ENGINEER DIVISION, NEW ENGLAND	CTION EQ	UIPME	NT .	•
CO	NTRACTOR Miller Ensuremi F Terthing Inc. CON PE OF EQUIPMENT MACI	TRACT NO. DACW	33-8	3-B-1	9073
TYI	PE OF EQUIPMENT J HACI	HINE NO.	•		
DA	TE OF INSPECTION	· · · · · · · · · · · · · · · · · · ·			
IN:	SPECTED BY (Sygnature) Before	ROVED BY (S	ignature) /·	
N	OTE: Corps of Engineers General Safety Requirements references are any machinery is placed in use, it shall be tested and inspect certified to be in safe operating condition. Records will be for inspection at the site. Inspection will be renewed within	shown in Pated by a commaintained	arenthes	mech an i	
	TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	•	YES	NO	NOT APPL.
1.	Is lock provided to prevent starting by unauthorized persons? (18	BA10)			X
2.	Is maintenance schedule conforming with manufacturer's recommendate for this machine? (18402)(18403)	tions kept			X
3.	Are adequate Class B fire extinguishers installed on the equipment and ready for use, suitably placed, and distinctly marked, and is sibility to them not obstructed? (13A02)(13A03)	-	Ż.		,
4.	Are Operator's experienced and able to read and understand signs, no operating instructions, and signals to be used? (05A07)	otices,			X
	a. Are Crane Operators 21 years of age? (05A04)				X
	b. Are Drivers of motor vehicles used on highways over 18 an valid license? (05A06)	d have a			X
•	c. Is there a known heart condition, epilepsy, or other ailm detrimental to safe operation of the equipment? (05A01)	ent			×
5.	Operating Test. Prior to being placed in operation all hoists, cr and derricks will be tested using not less than 125% of the maximu anticipated load at the maximum boom radius to be used during oper All motions of equipment will be performed during test at variable angles. (18001) Particular attention shall be given that under no circumstances wi maximum anticipated load used for computing static test load excee manufacturer's rating. The contractor will provide the test weigh	m ations. boom II the d the			×
	Date Weight of static test load				
	Maximum radius at which test conductedft.	ft.			÷
	Length of boomft.				•
6.	Is a safe-load-capacity chart ENG Form 3364 for various boom radii in the cab of the crane? Is this chart applicable to present boom counter weight, etc.? (18005)(18601)	posted length,			X.

	. : .			
	TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
7,	Is a warning sign ENG Form 3363 for overhead electric lines posted at Operators position in crane? (15E08)			X.
8.	Are all self-propelled construction units, - except light service vehicles such as panels, pick-ups, or station wagons and heavy crawler-type cranes, power shovels, back-hoes and draglines, - equipped with a reverse signal alarm which will operate automatically when the vehicle moves in reverse and giving approved audible sound alarm? (18801)		-	X .
9.	Do tractors, dozers, front end loaders, graders and rollers have seat belts and rollover bars certified to S.A.E. Standards or previous Corps of Engineers approval? (18A2O)			X
10.	If used for clearing of woods, do tractors, dozers and similar machines have heavy canopy or grille to protect Operator from falling or flying objects? (IBAI9)			X
11.	Are belts, gears, shafts, pulleys, sprockets, blades, drums, flywheels, chains, or other reciprocating, rotating or moving parts adequately guarded? (18803)	<i>\(\sigma \)</i>		
12.	Are hook rollers free to turn and secured on turntable?			X
13.	Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18804)	\vee	•	
14.	Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18805)	V		
15.	Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18806)	V		-
16.	Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18808)			X
17.	Are cranes and derricks equipped with boom angle indicator and load- indicating device to prevent overloading? (18C14)			Ϋ́
18.	Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18CO3)			
19.	Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18007)			×
20.	is hoist braking equipment capable of holding at least the full test load? (18004)	/		
21.	Is tagline provided to be attached for controlling swing of crane lifts? (18010)			X
22.	Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18003)			x ·
23.	Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)			X
50	RM 1170			

	TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
24.	To all points requiring lubrication during operation have such fittings located or guarded in such manner that personnel servicing the equipment are protected from injury? (18A25)			X
25	Do all modifications, extensions, replacement parts, and/or repairs to equipment maintain the minimum factor of safety as the original equipment with new, manufacturer's parts? (18002)			X
26.	Are any of the structural members bent or rusted, or do they otherwise show signs of damage?			X
27.	Are running lines of hoisting equipment exposed to hazardous contact adequately guarded? (ISEO9)		,	4
28.	Are drums, sheaves, sheave pins, and pulleys smooth and free of defects?	V		
29.	Are wire rope, sockets, splices, thimbles, clips, and chains adequate and properly applied and in good operating condition? (17001-11)(17001-03)	/		
30.	Are hooks, shackles, rings, pagieyes, and other fittings in good condition? (17A05)			X
31.	Are fueling cans used with this equipment approved type safety cans? (12E25)			X
32.	Are clamshell, orange-peel and dipper buckets all without missing teeth, worn shell, makeshift bolted connections or holes rusted through shell?	·		, X
33.	Are concrete buckets equipped with extension to gate lever for safe dumping?			X
34.	Are adequate guardrails provided around the skips of pavers, concrete mixers and similar equipment? Guard is required for open end of skip. (18807)			X
35.	Are all motor vehicles equipped as follows? (19A06)(19A12)			X
	a. Directional signal lights both front and rear?			x
	b. Two headlights: one on each side; one red tail light and one red or amber stop light?			χ.
	c. Rear view mirror?			X.
36.	Are service and parking brakes in good operating condition? (19A07)			X
37.	Are trucks over 5 tons and heavy hauling units equipped with emergency brakes automatically stopping machine if service brakes should fail? (19A07)			X
38.	Are windshields on equipment provided with windshield wipers in proper operating condition? (19A10)		-	X
39.	Is all glass in windshields, cabs, windows and doors of safety glass without holes, breaks or cracks? (19A15, 19A16)(18A18)			X
40.	Are running boards and steps of vehicles provided with non-slip surfaces?			X

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•		TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	но	NOT APPL.
	41.	Are dump bodies provided with hinged struts or other suitable device for locking body in raised position? (19A2O)			X
	42.	Are tail-gate dumping devices so arranged that Operator will be in the clear while dumping load? (19A22)			X
	43.	Are approved seat belts installed for driver and all passengers?			X
1	₹4.	Is engine equipped with power-operated starting device? (19A23)	V		
1	45.	Is air-pressure gage in operative condition on equipment with air brakes? (21A10)			X
	46.	Is air tank equipped with drain valve in an accessible position for daily draining? (21824)			X
	47.	Are towing devices structurally adequate and properly mounted with safety chains to prime mover? (19A17, 19A19)			X
	48.	Are stone ejectors mounted between each pair of dual wheels?			X
	49.	Is there an approved cover prepared for covering loads of loose material while on the road?			X
		PRESSURIZED, ELECTRICAL, POWER SYSTEMS			
	50.	is an approved pressure gage installed on pressurized system? (21A10) No valve between gage and vessel or equipment? (21A10, 21A12)			X
	51.	is safety or relief valve sealed after adjustment? (21A14)			X
	52.	Does receiver of air compressor bear certificate of hydrostatic pressure test at 125% of working pressure within two years? (21A01)			λ
	53.	Are all pneumatic hose connections provided with safety lashing? (21A18)			. X
	54.	Are guards for protection of Operator's feet installed on power screeds, concrete finishing machines, mowers, etc.? (18811)			λ
	55.	is there a guard mounted on all chain saws, circular saws, and band saw blades? Are radial saws provided with automatic retracting device? (16001)			X
	56.	Have all enclosed scaffold machines been dismantled, inspected, lubricated, and tagged with name and date by a Licensed Rigger?			Х
	57.	Is electric welding machine bonded to engine? (15002)			k
	58.	Are all portable electric generators and electrical equipment properly grounded to water lines or ground rods?			×
		FLOATING PLANT			
f	⁻ 59.	Are all decks, stair treads and walkways of non-slip surface? (26803)	· ·	İ	
1	_60.	Are guard rails and grab irons mounted on all weather decks? (26810)			X
	61.	Is built-in automatic fire extinguishing system installed at enclosed power plants? (26CO2)			X
	62.	Are U.S.C.G. lights and shapes mounted on vessel? (26A01)	×		

	1.			
1	FLOATING PLANT	YES	но	NOT APPL.
63.	Are safe boarding ladders, and gangplanks with handrails provided? (26801)		×	
64.	Is rescue boat prepared and used only in emergency? (07G01-07)			X
65.	Does motor boat carry decal of safety inspection by U.S.C.G. or Auxiliary?			X
66.	Is there U.S.C.Gapproved life west for every person aboard? (07E02)	×		•
67.	Is a life ring on 50-foot line hung on each side of deck? (07F04)			+
68.	Are waterlights attached to ring buoys? (07F06) .		i/	·
69.	Are safe climbing devices or enclosing cages built on ladders up boom and spud or drilling mast? (30814, 30815)		. \	×
70.	Are deck obstructions painted with wide diagonal yellow and black stripes? (26809)	×		`.
71.	Are all repairs completed watertight and thoroughly inspected? (26A06)		:	X
72.	Is vessel certificated by U.S.C.G.? (26A01)		X	
73.	Is Captain of uncertificated vessel over 26 feet long Licensed by U.S.C.G. for towing in this area? (26A02)			X
74.	Does dredge pipe line have attachments for walkway and hand rail? (26806) .			X
	Other equipment inspected. (Conveyors, batch plants, elevators, material hoists, cableways, airtracks, earth augers, special purpose). This inspection check lift man prepared by Peter Bettlenski, start because of, Miller Chainterines & Testines with Assistance of Peter S. Garrett - Baruc Forman, Sheals Corp.			